



FIG. 2

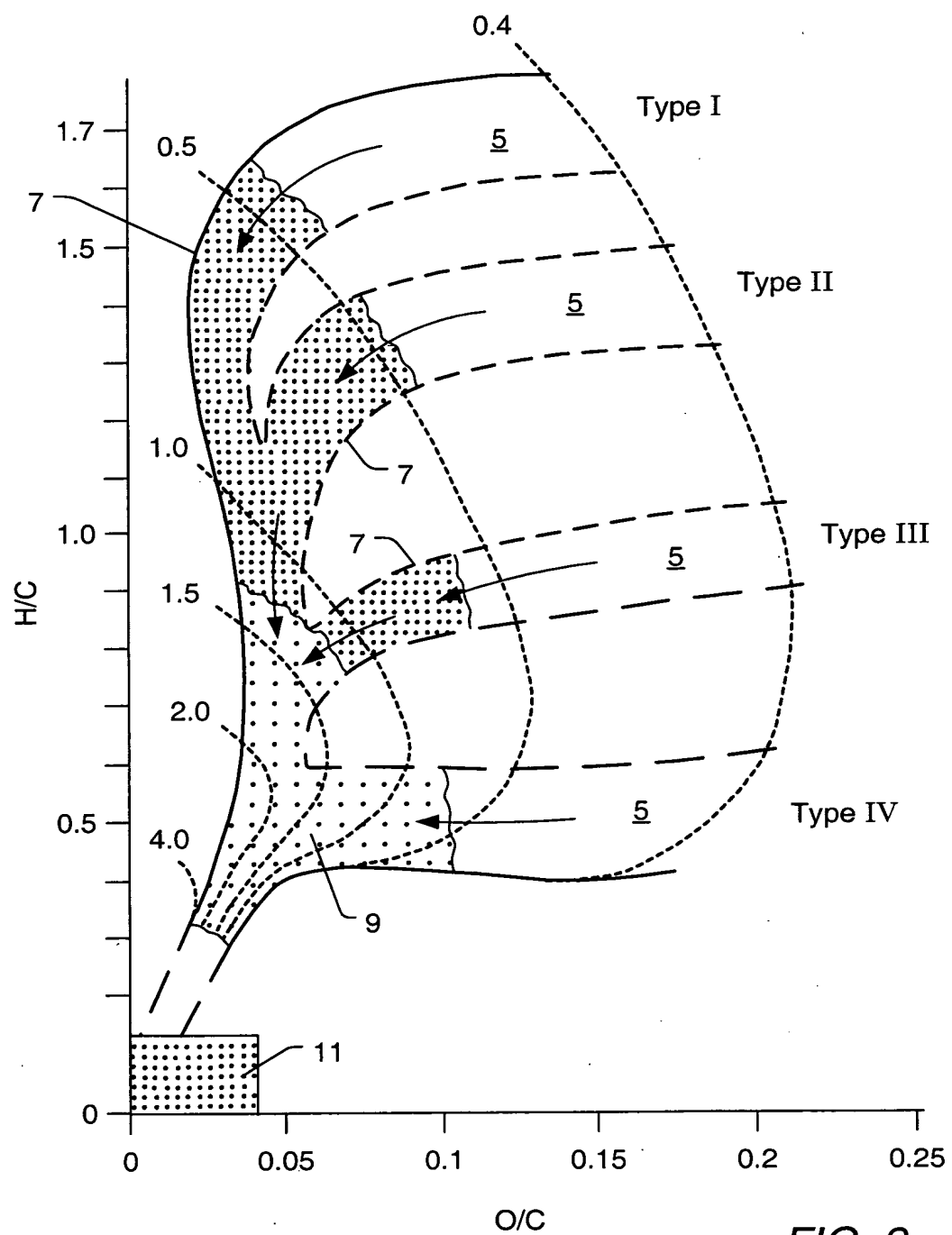


FIG. 2

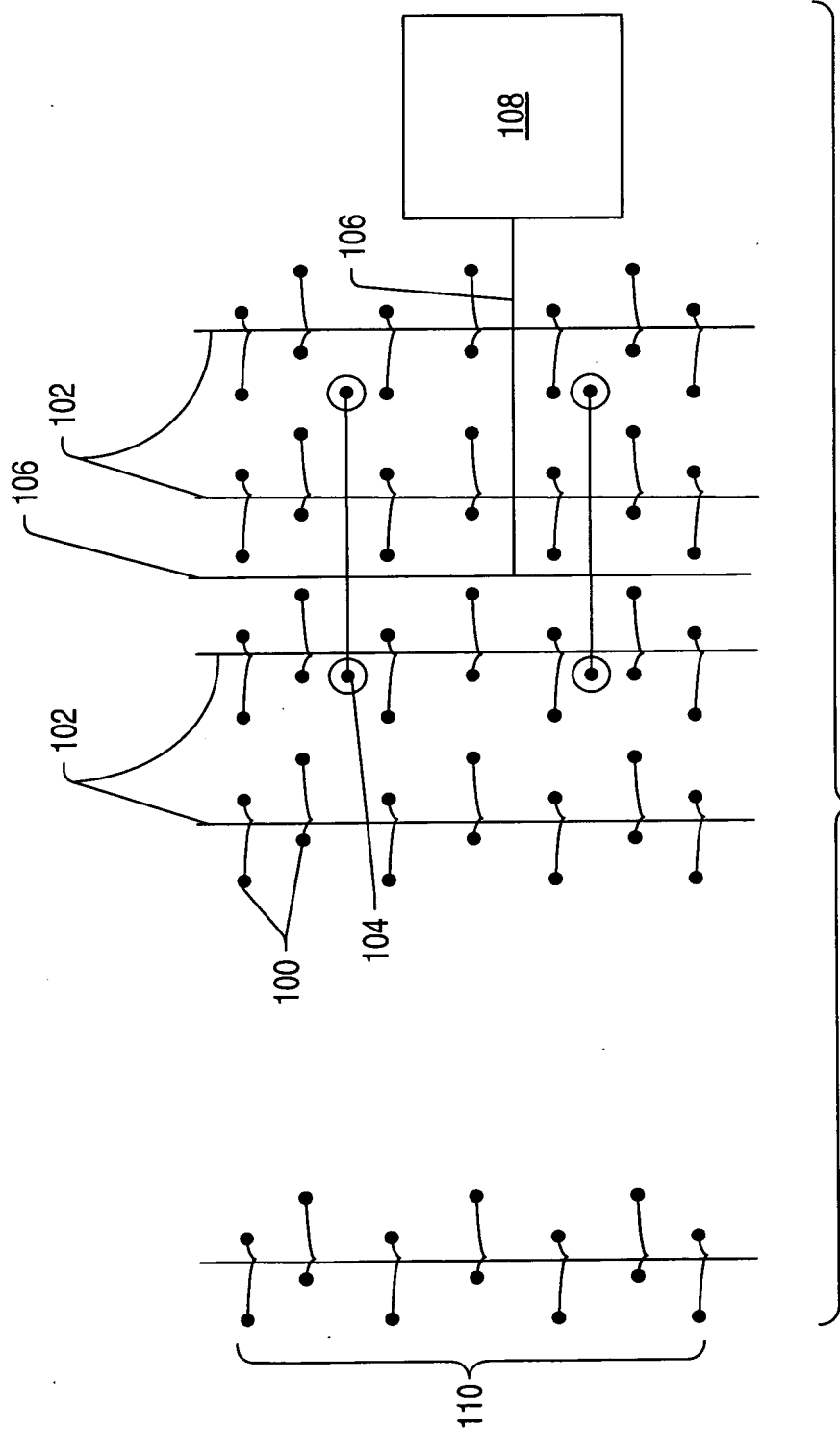


FIG. 3

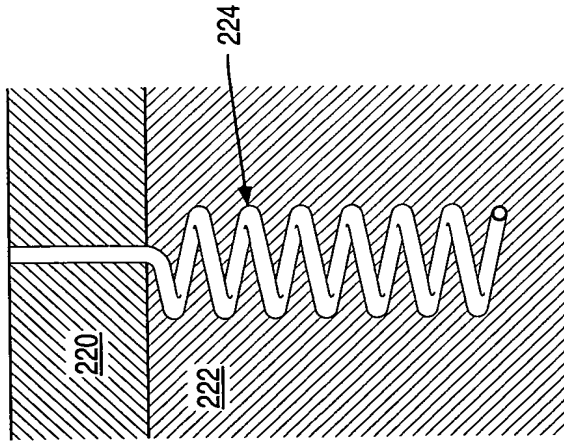


FIG. 3a

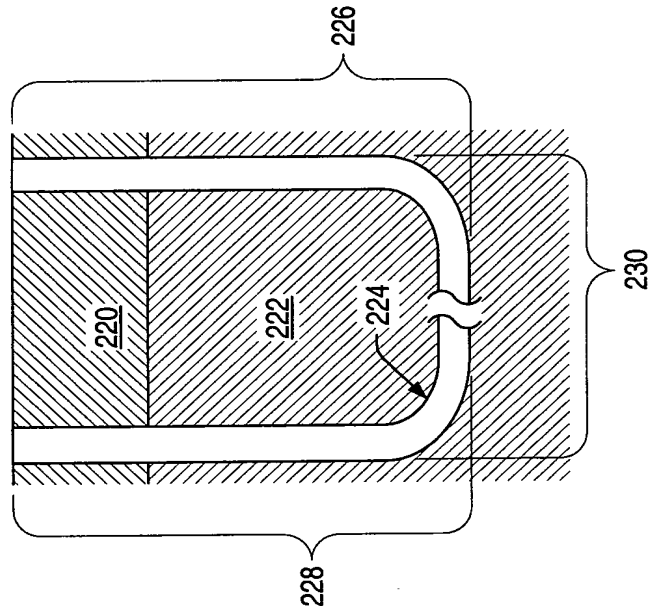


FIG. 3b

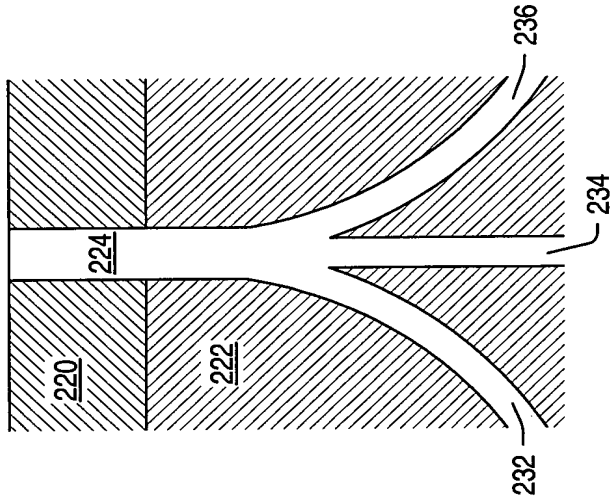
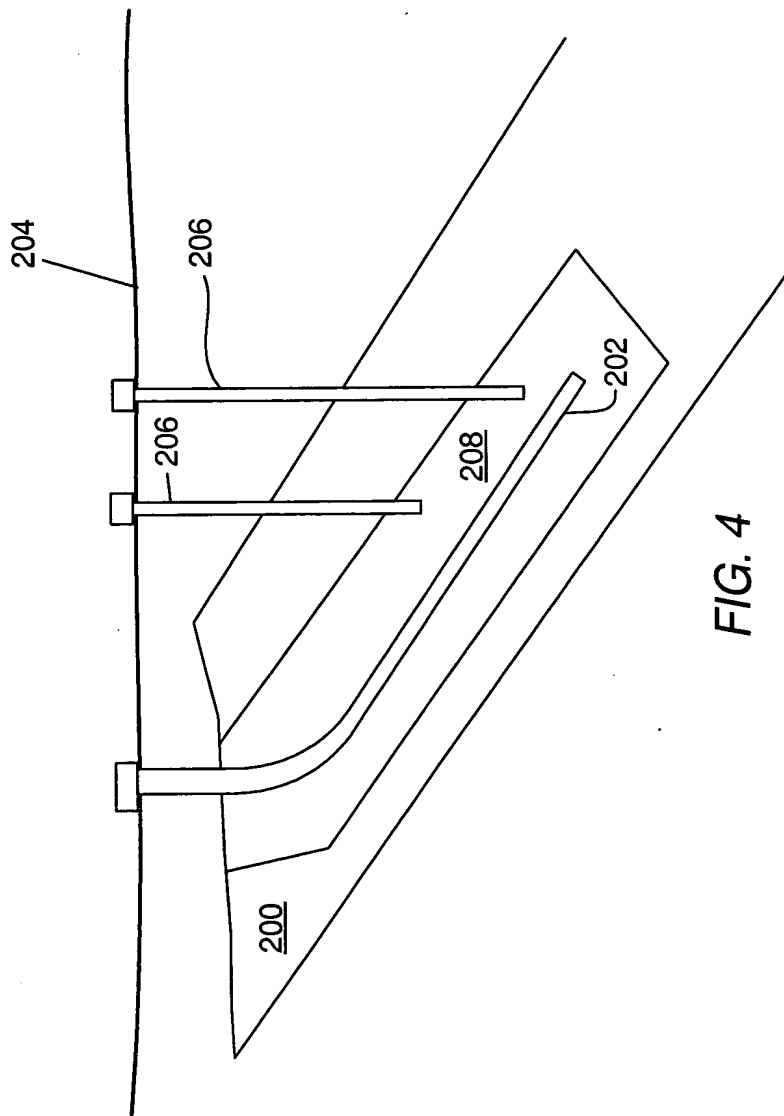
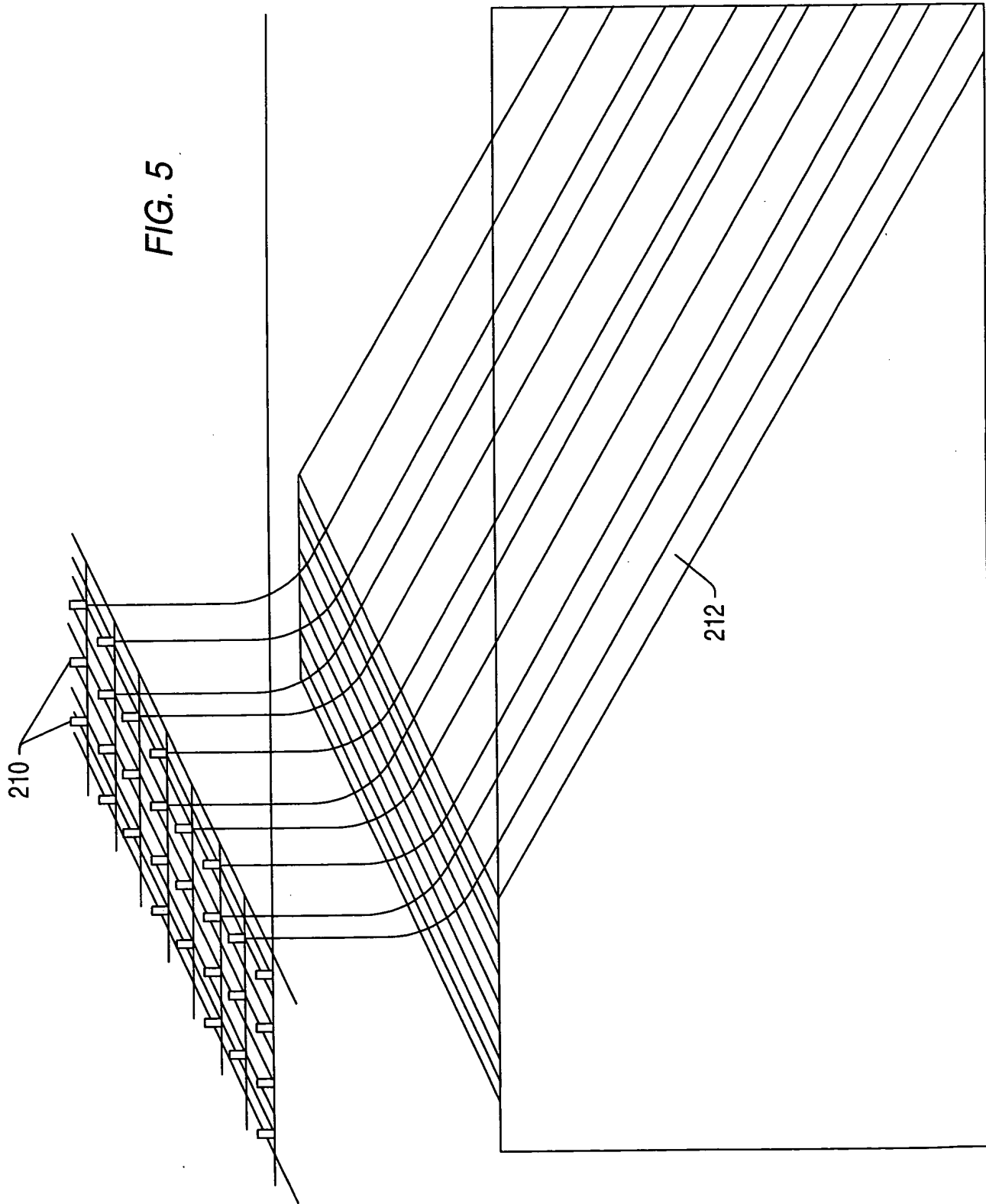


FIG. 3c





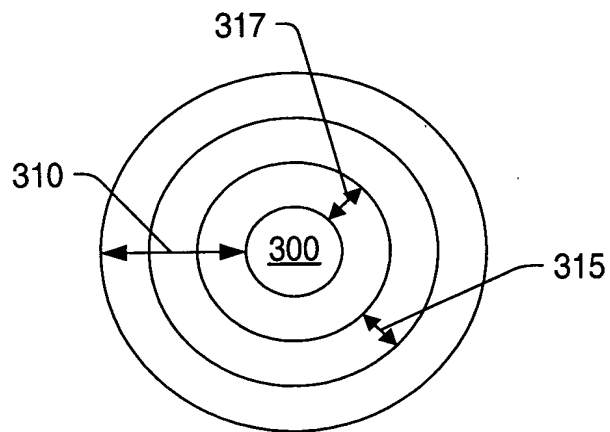


FIG. 6

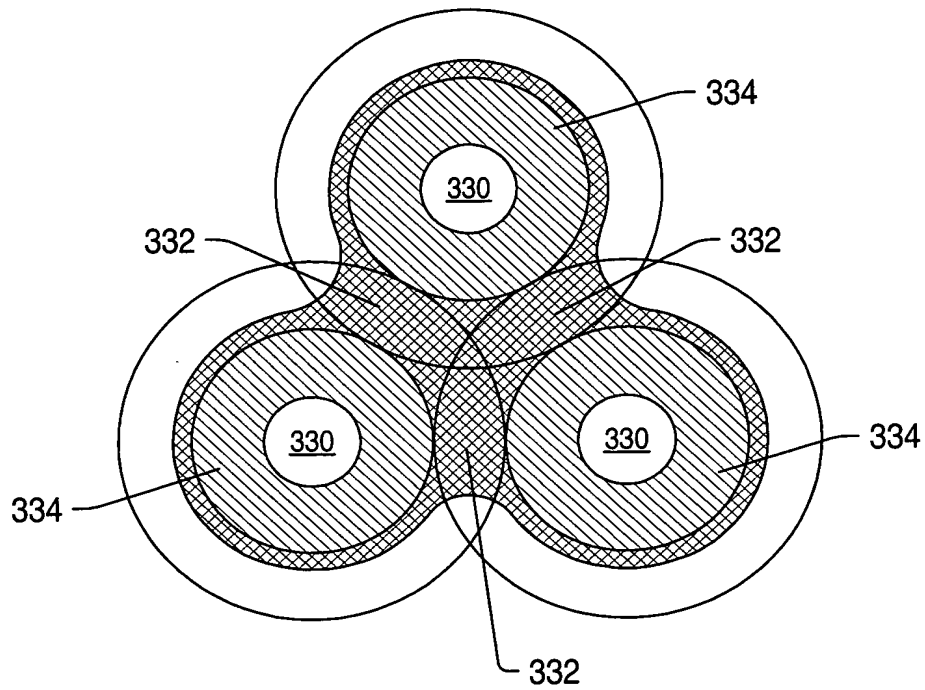


FIG. 7

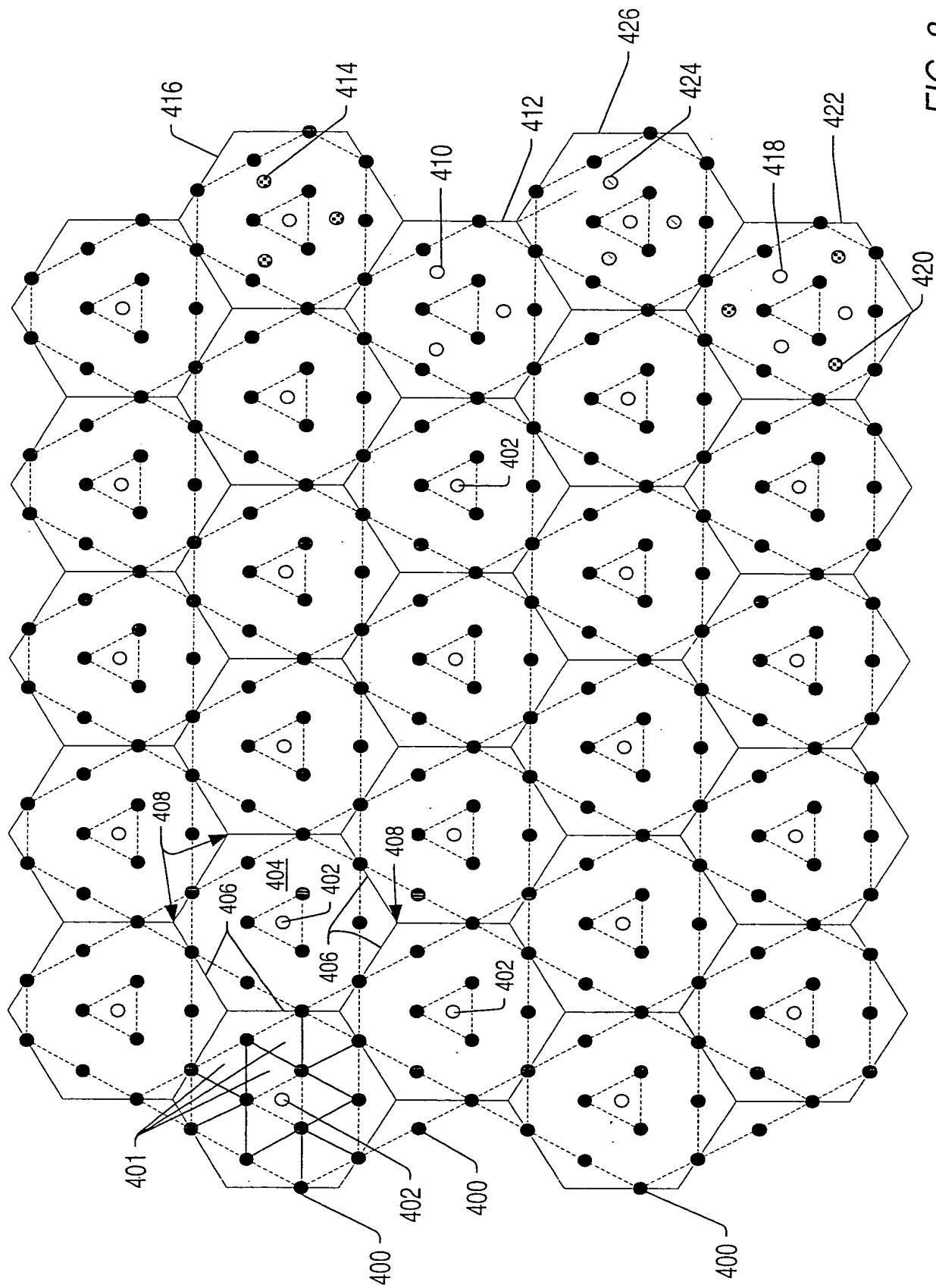


FIG. 8



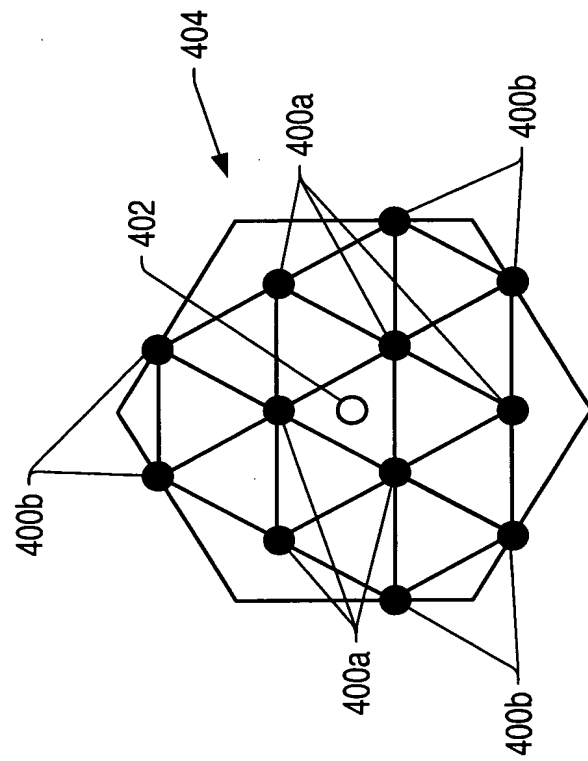


FIG. 9

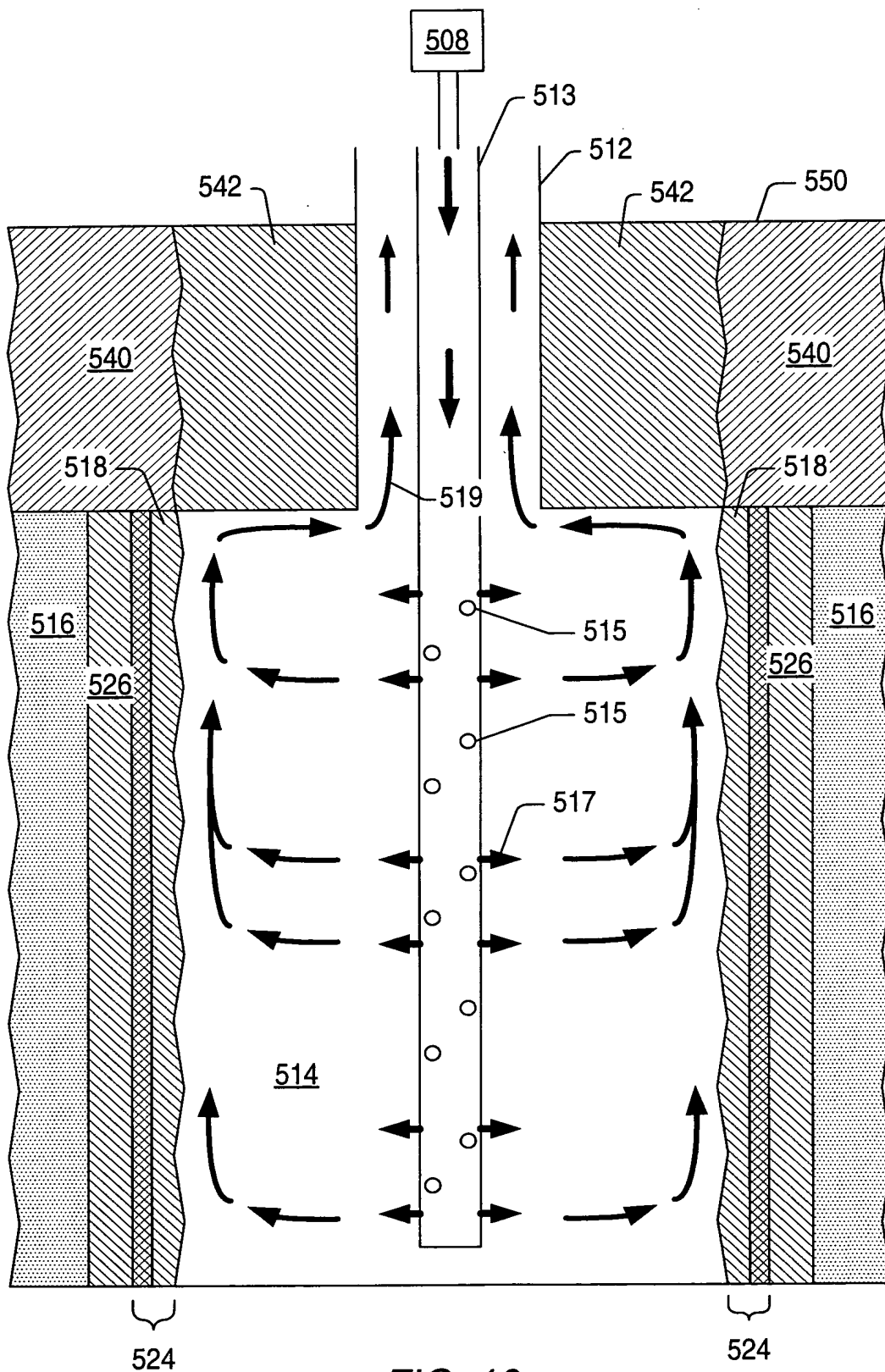


FIG. 10

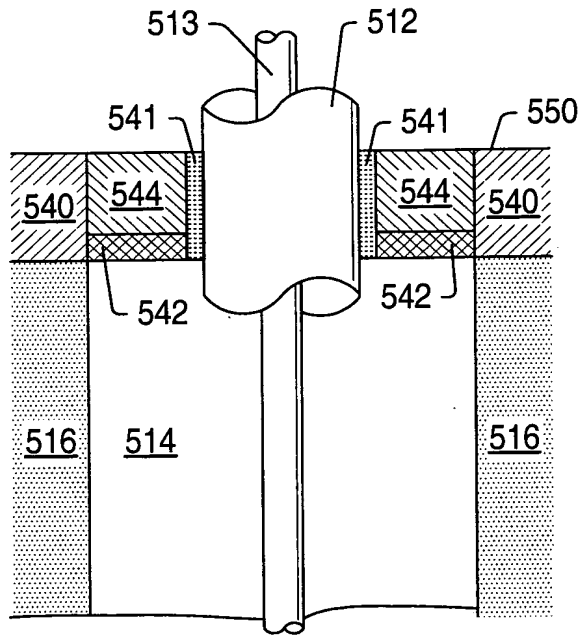


FIG. 11

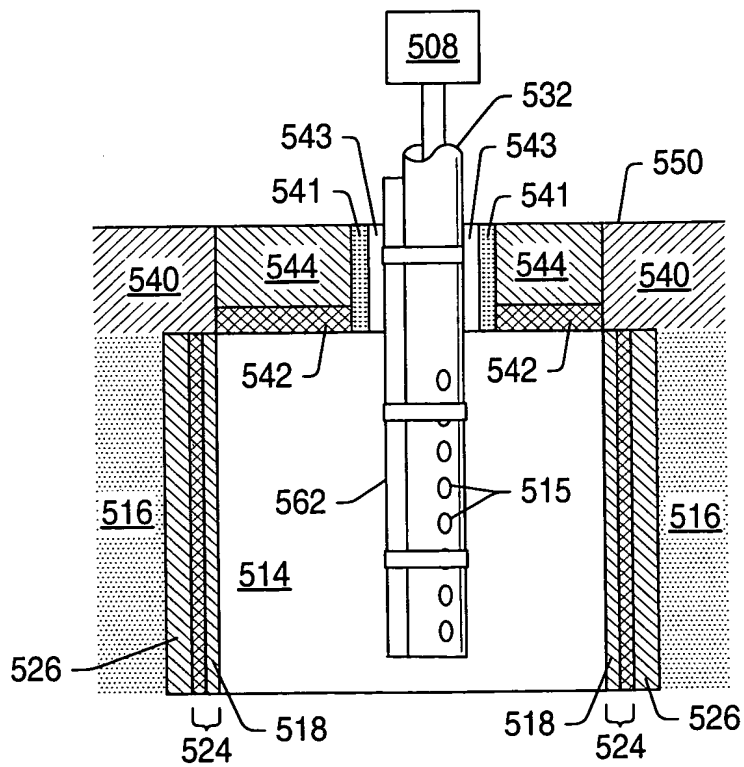
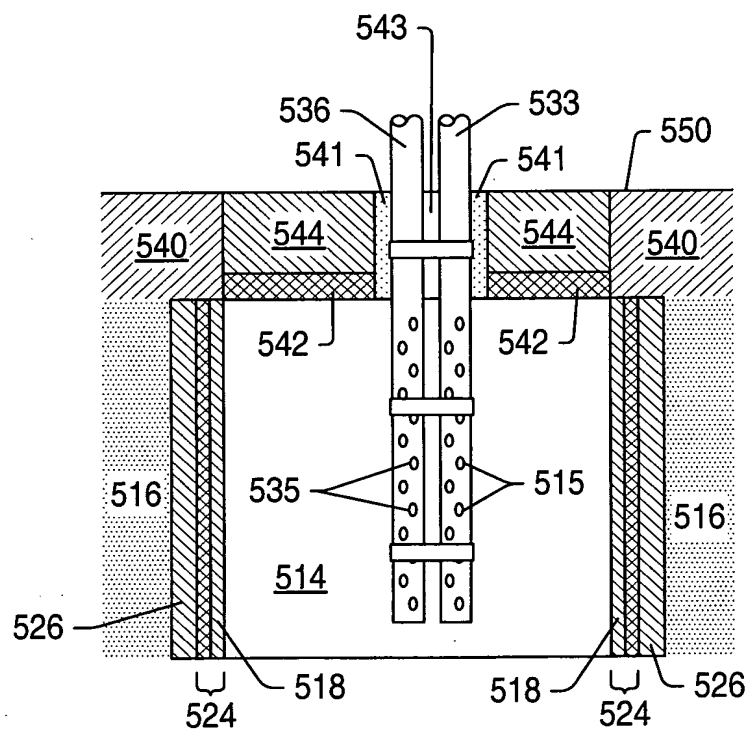


FIG. 12



*Fig. 13*

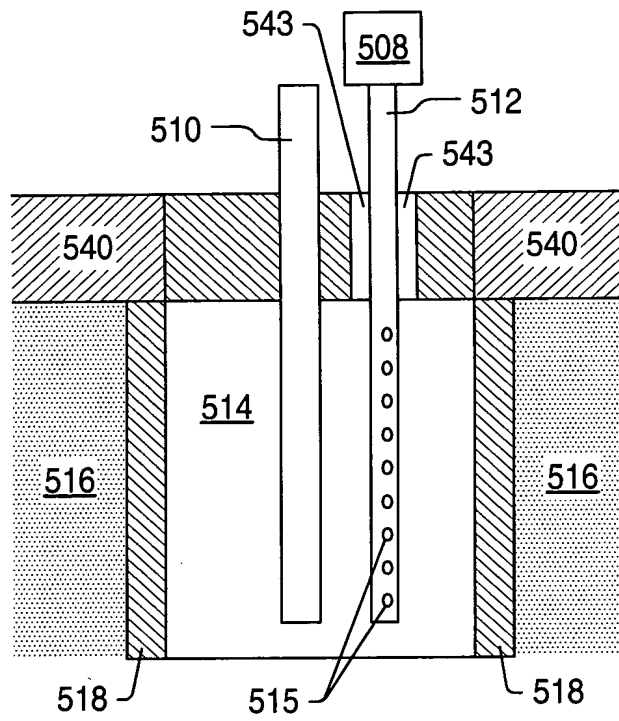


FIG. 14

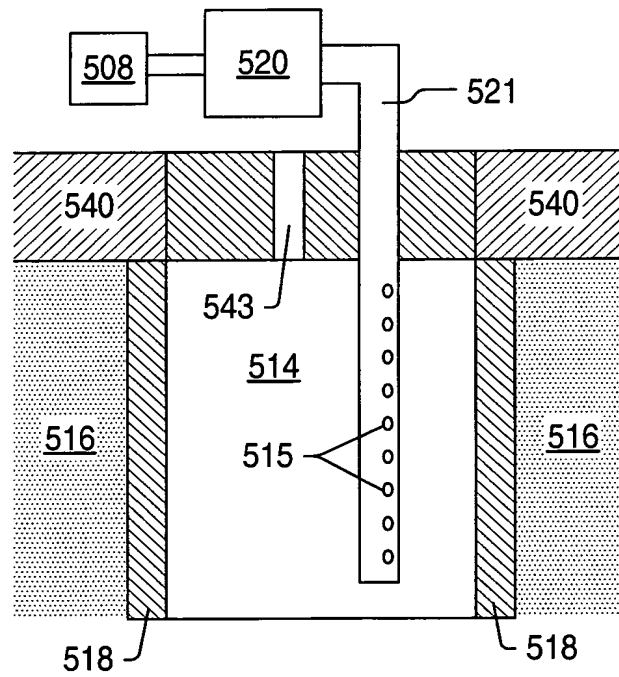


FIG. 15

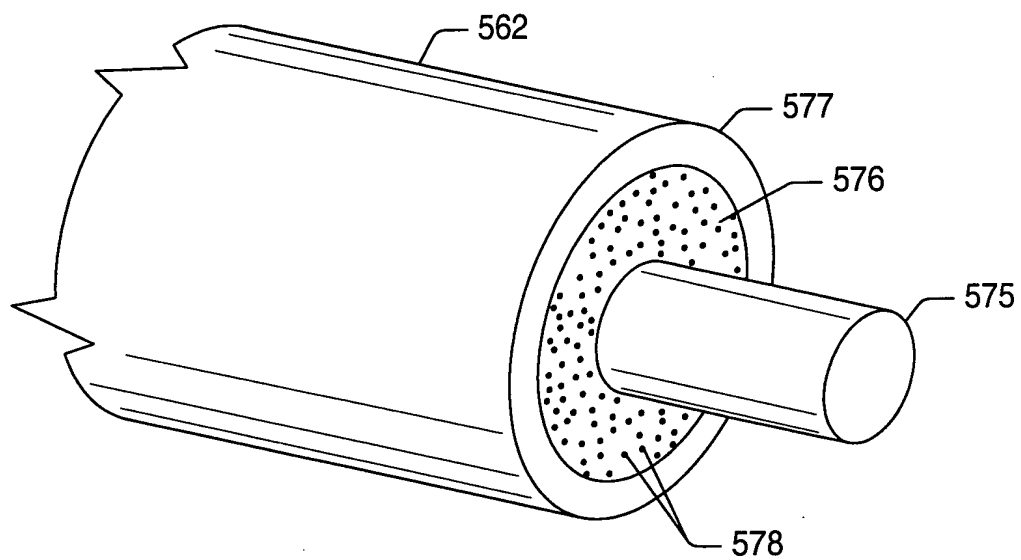


FIG. 16









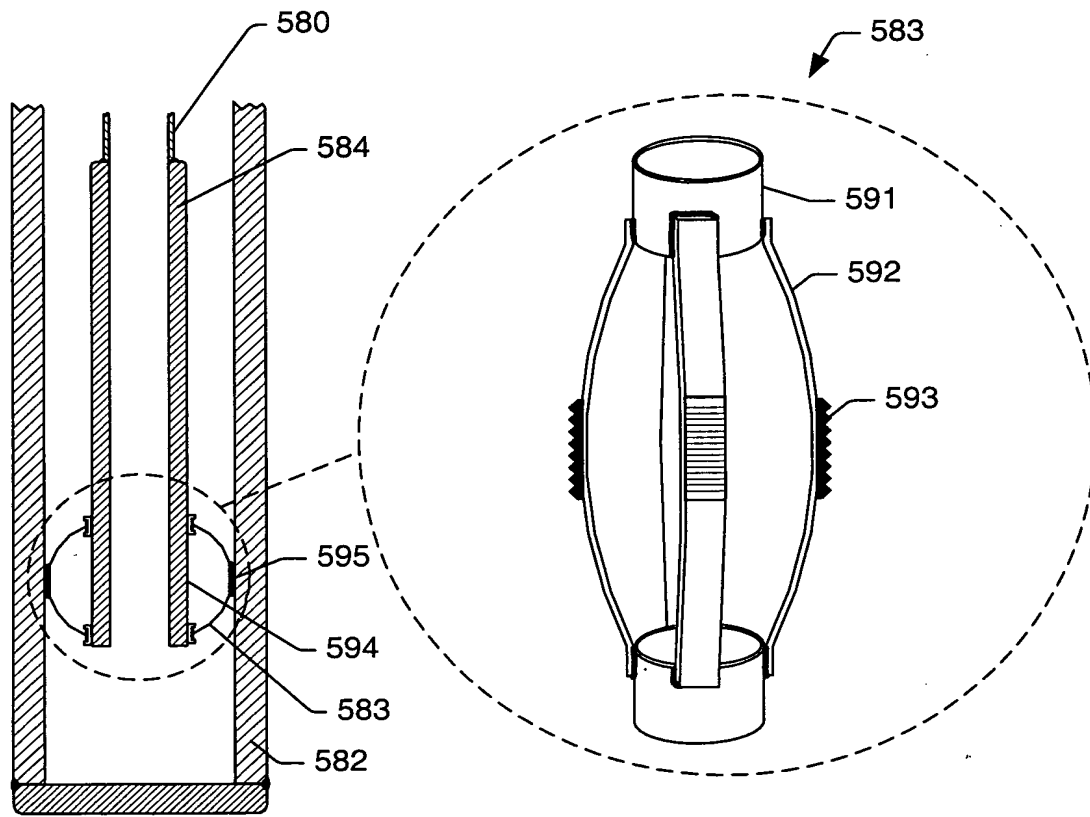


FIG. 20

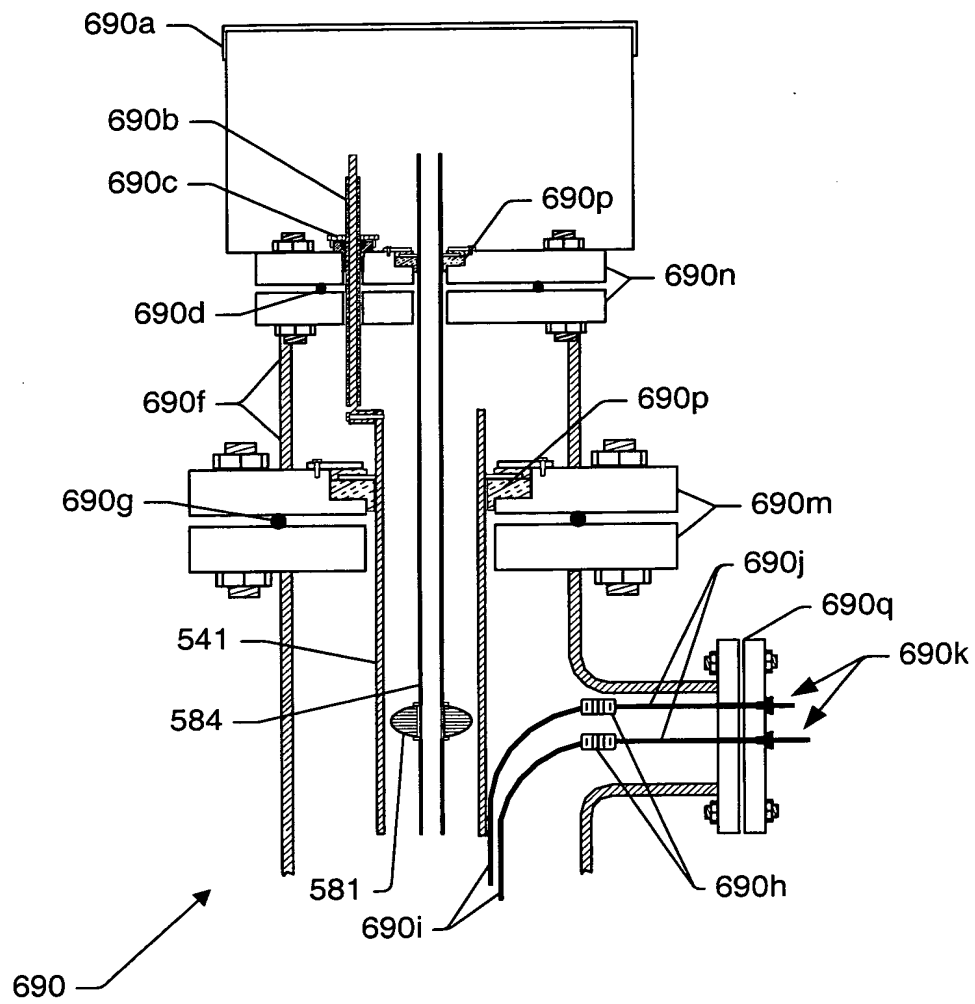


FIG. 21

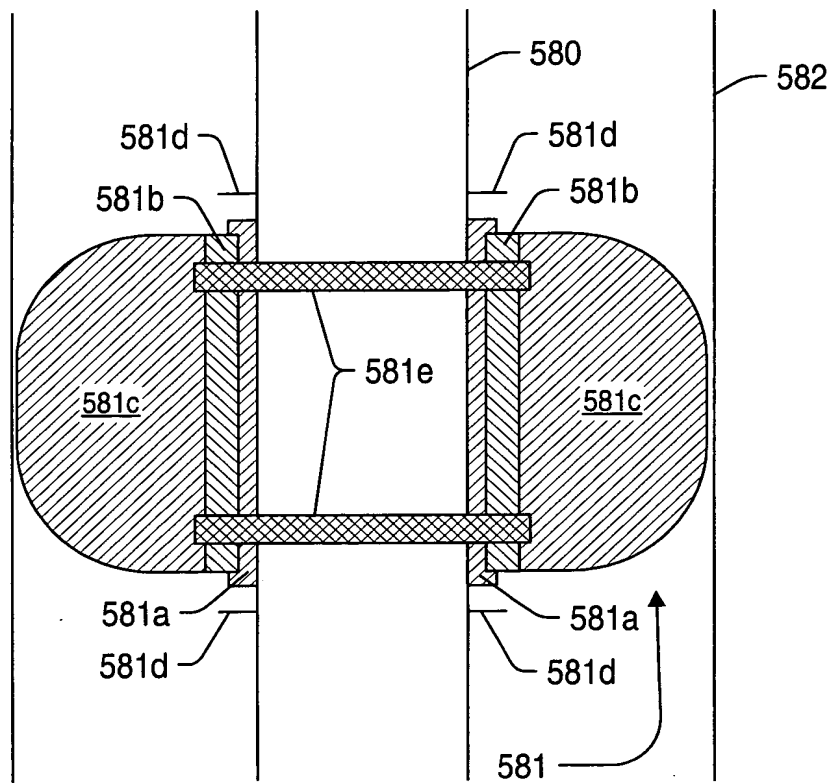


FIG. 22

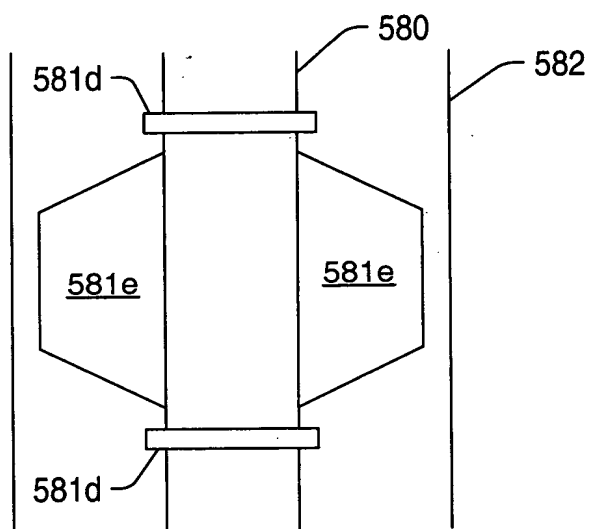


FIG. 23a

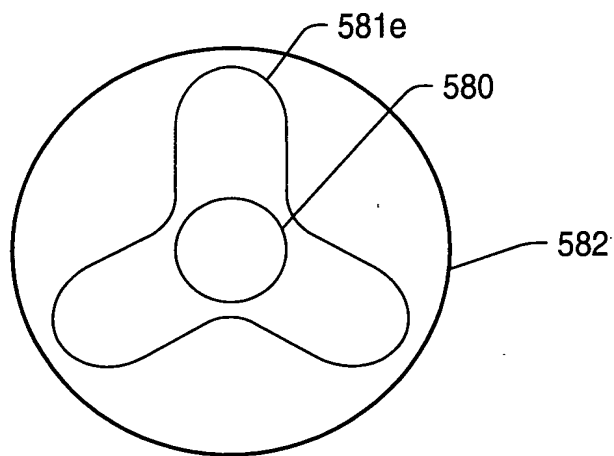


FIG. 23b

Fig. 24

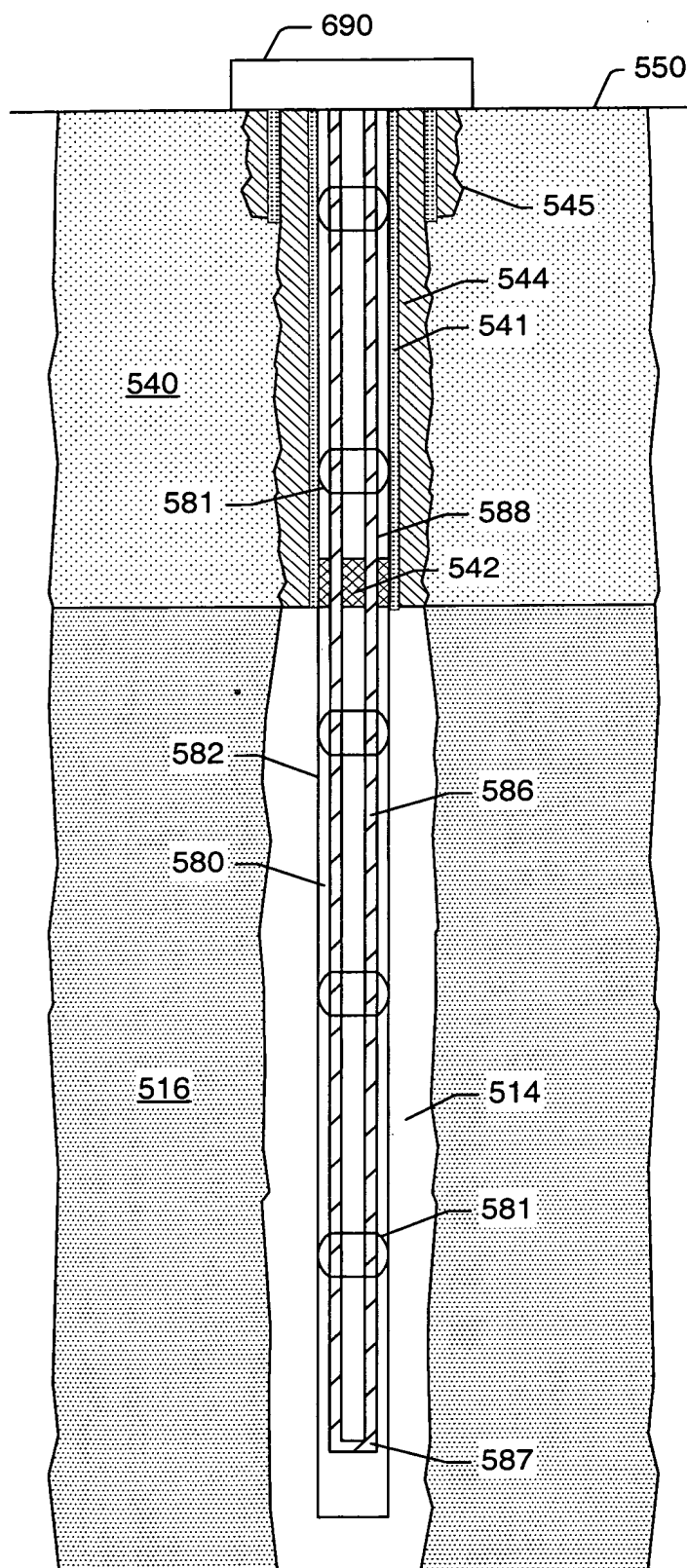


Fig. 24

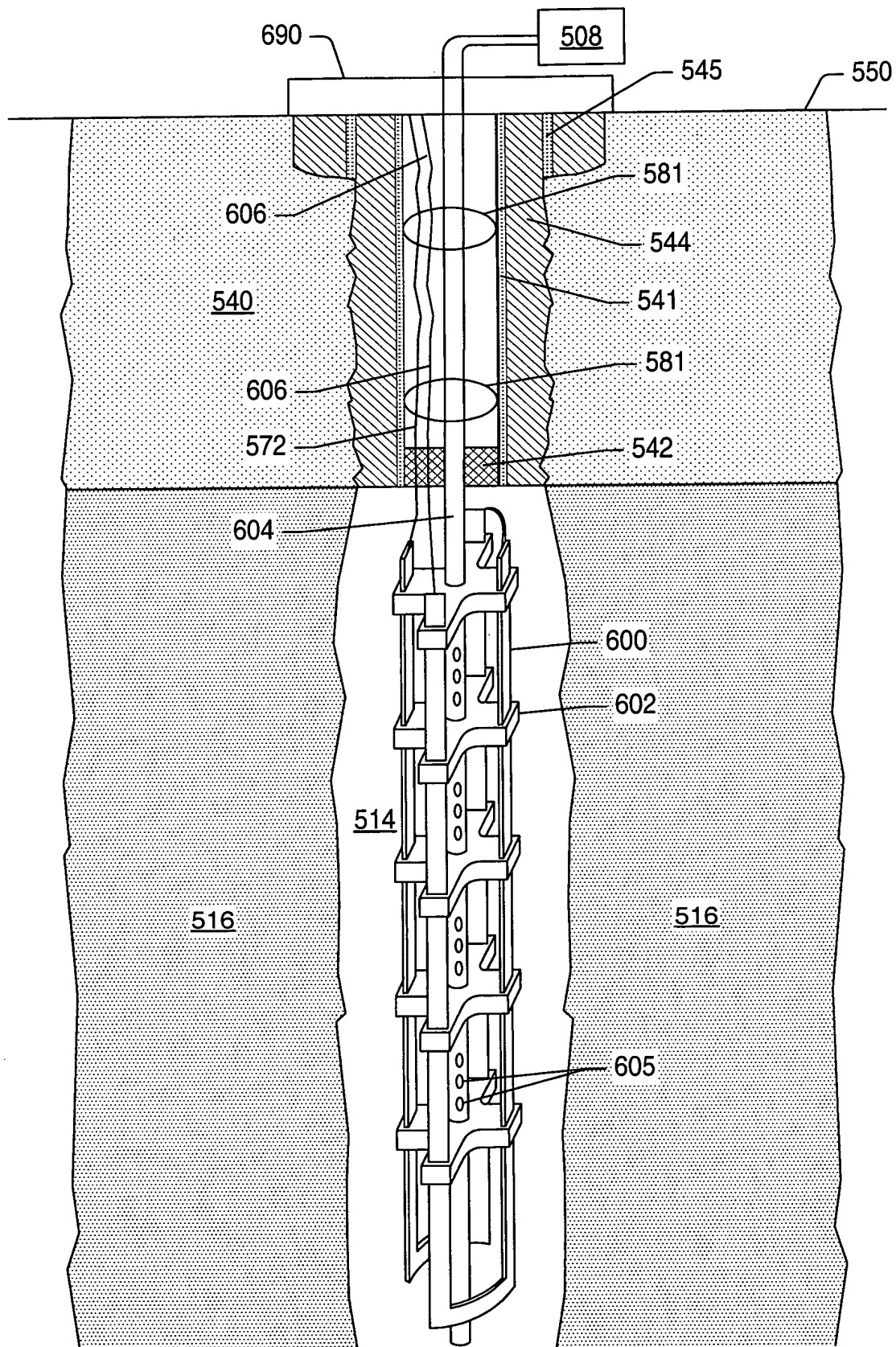


FIG. 25

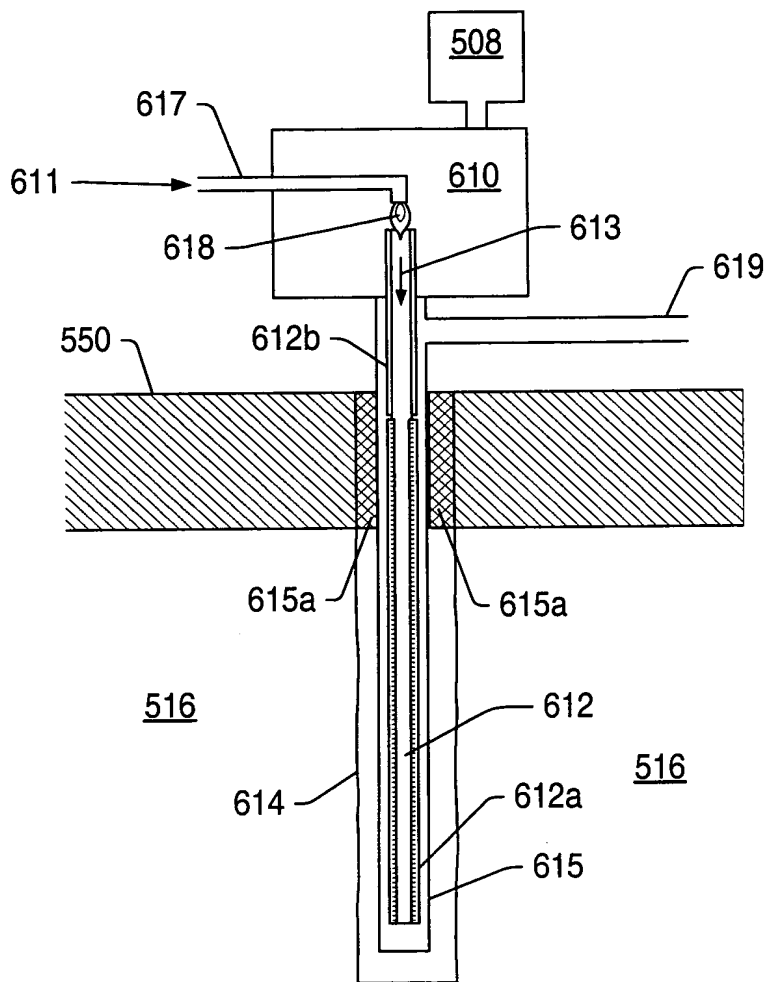


FIG. 26

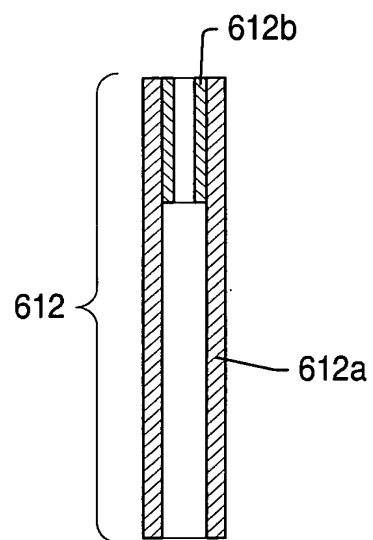


FIG. 27



Fig. 5 is a schematic diagram of a wellbore 514. A central tube 621 is surrounded by an annulus 623. A fluid inlet 625 is at the top. Arrows indicate fluid flow: downward in the central tube and upward in the annulus. A box 508 is connected to the annulus. The wellbore is labeled 516 and the fluid is labeled 514.

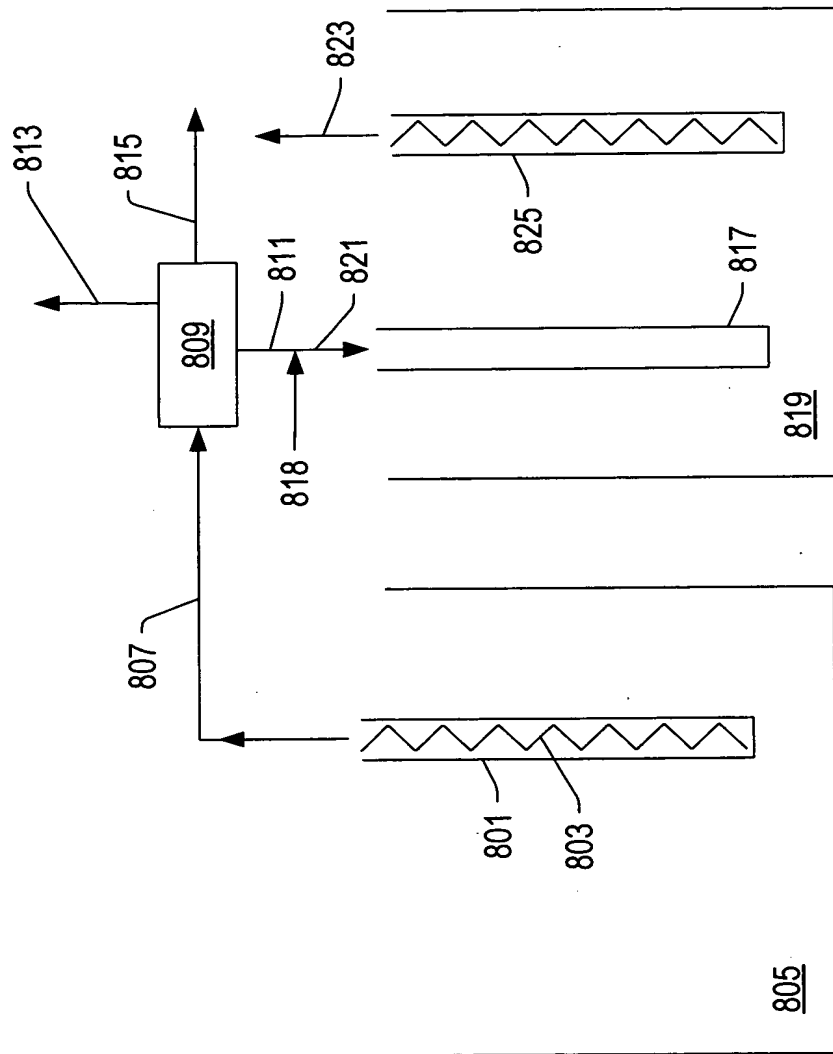


FIG. 29

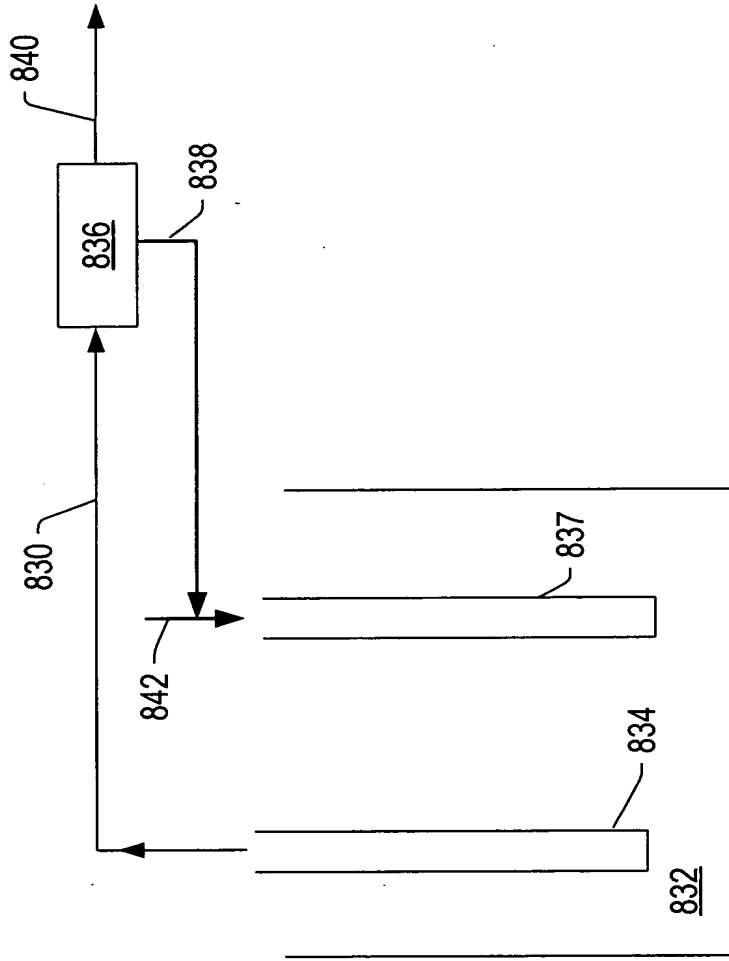


FIG. 30

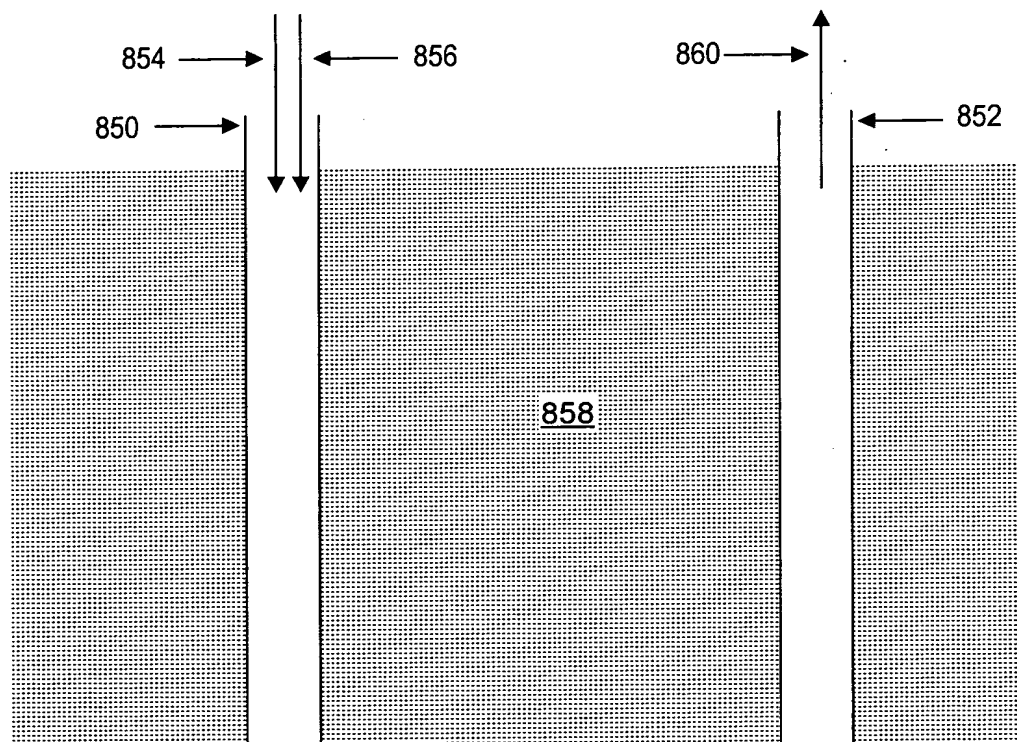


FIG. 31

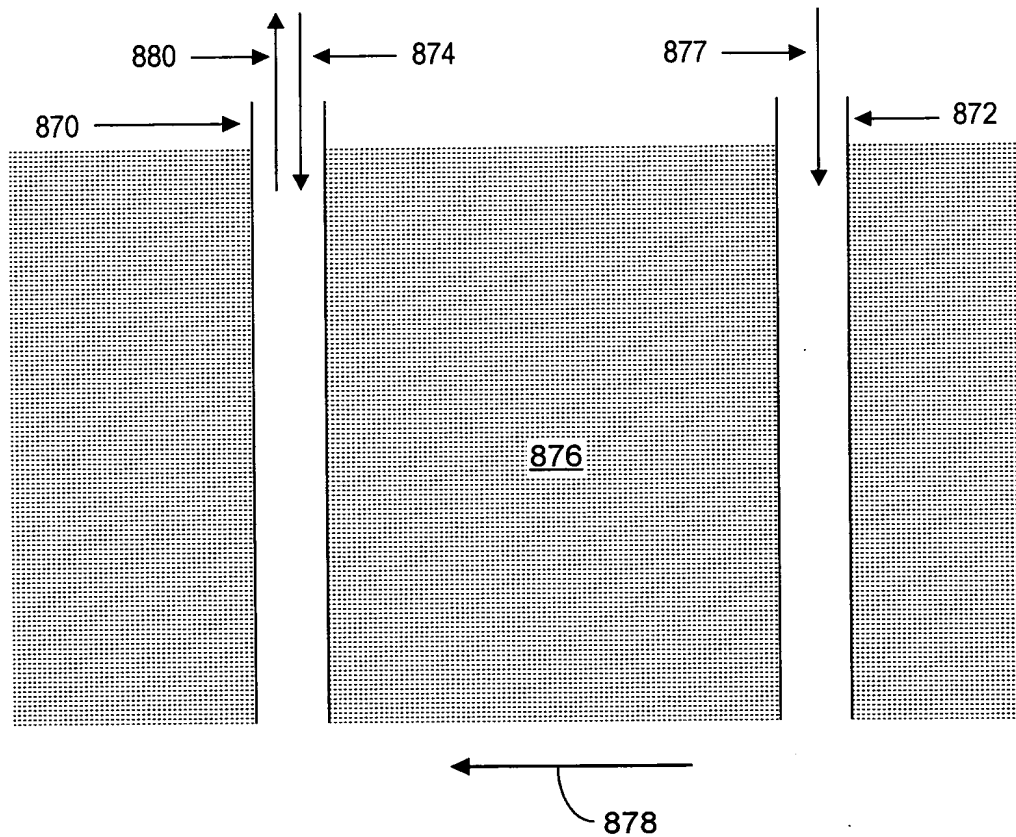


FIG. 32

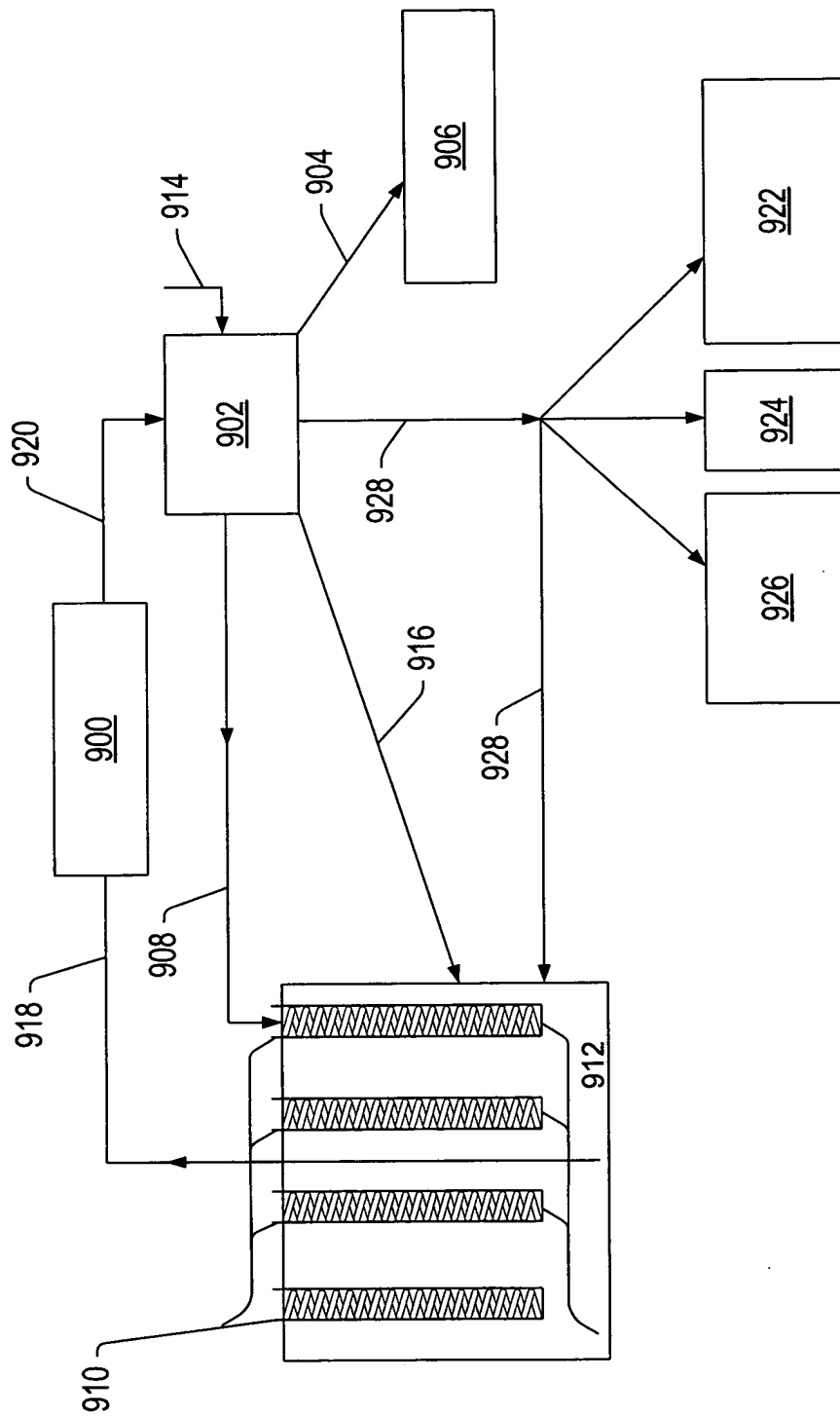


FIG. 33

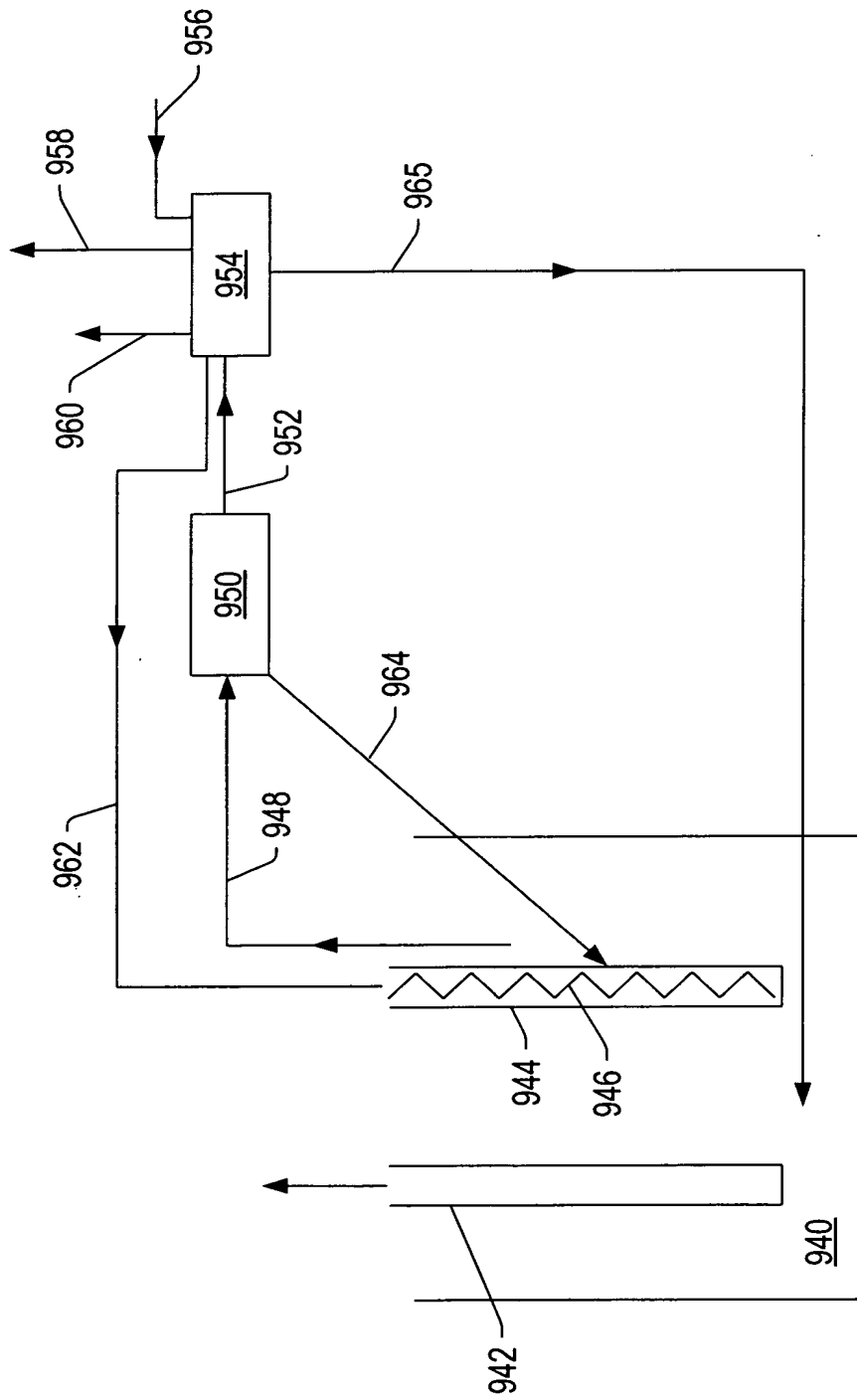


FIG. 34

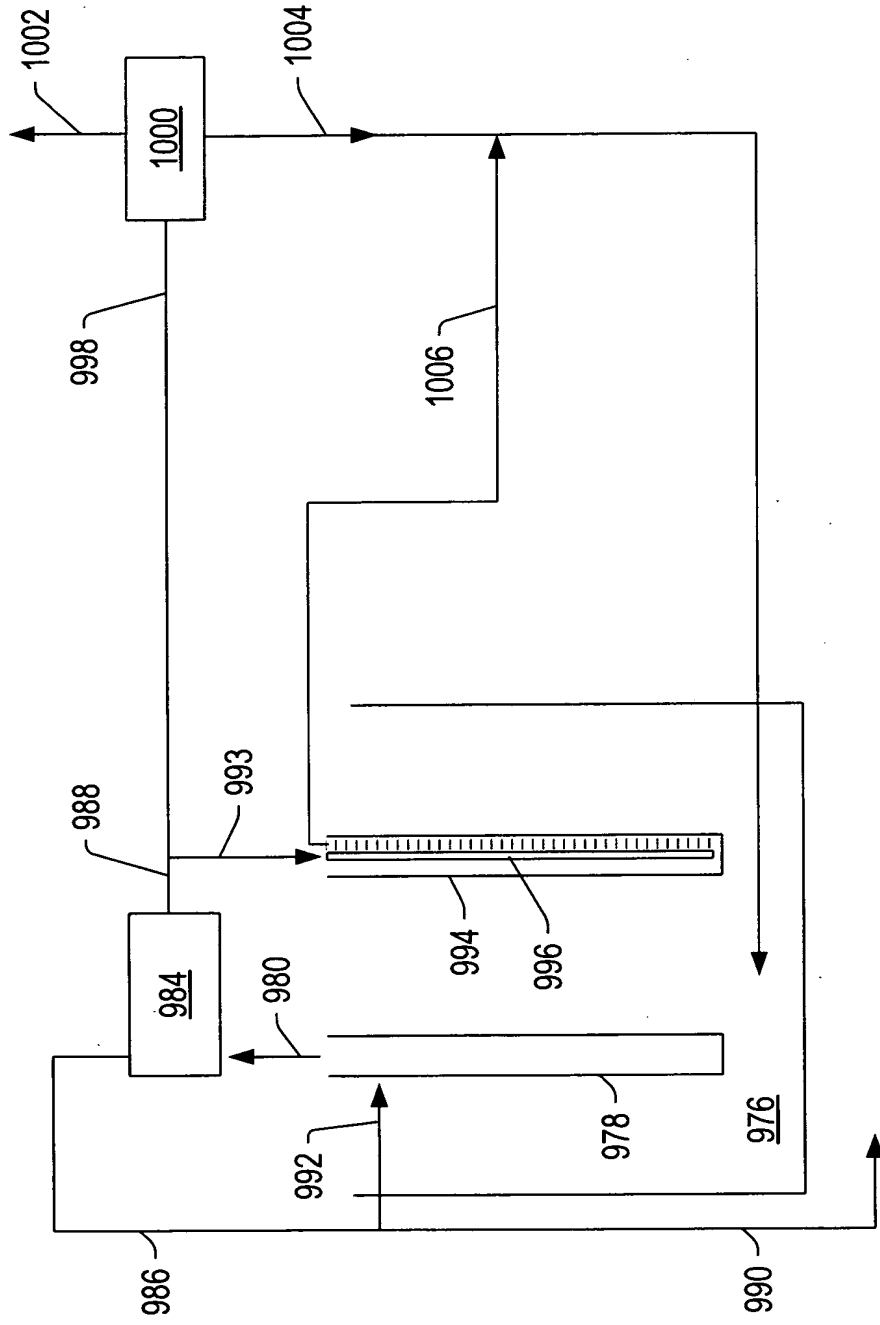


FIG. 35



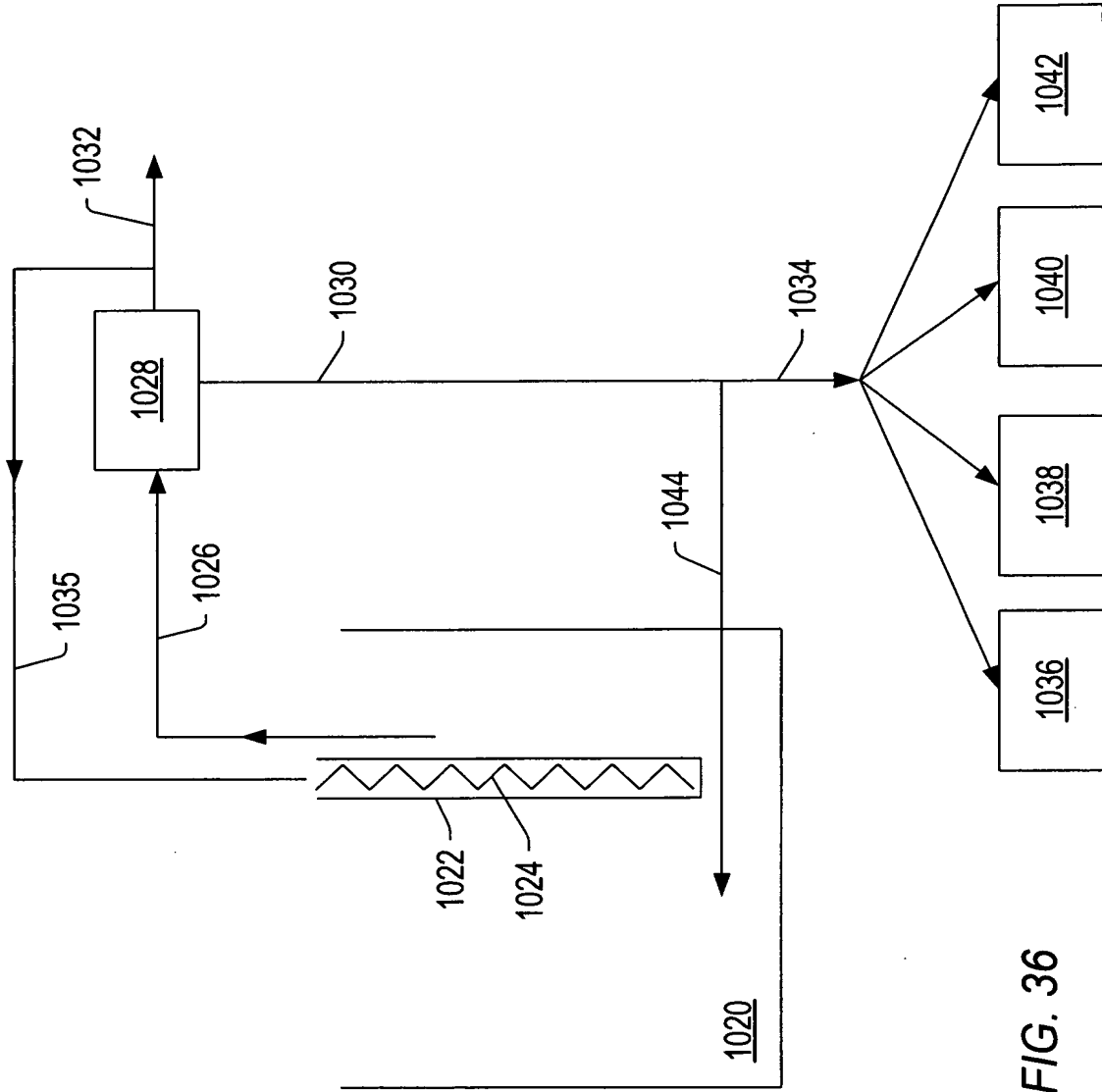


FIG. 36

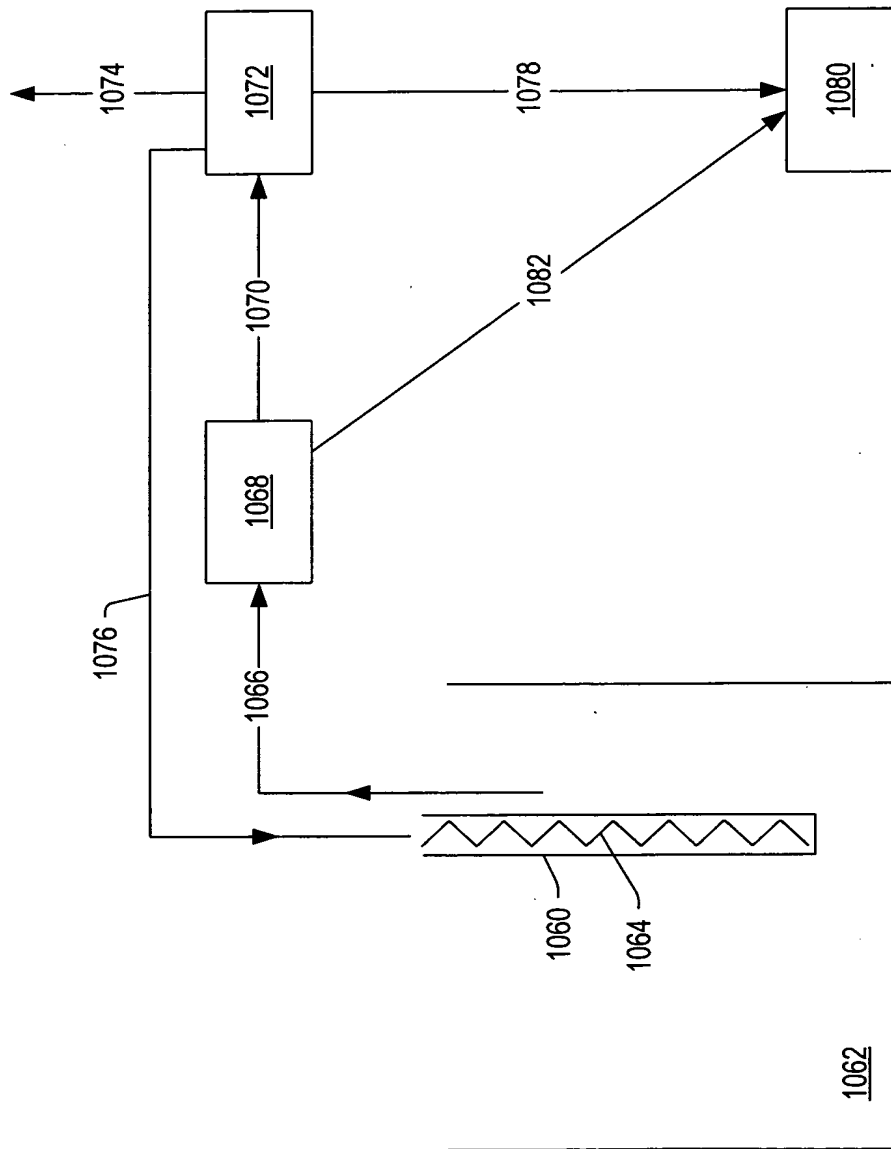


FIG. 37

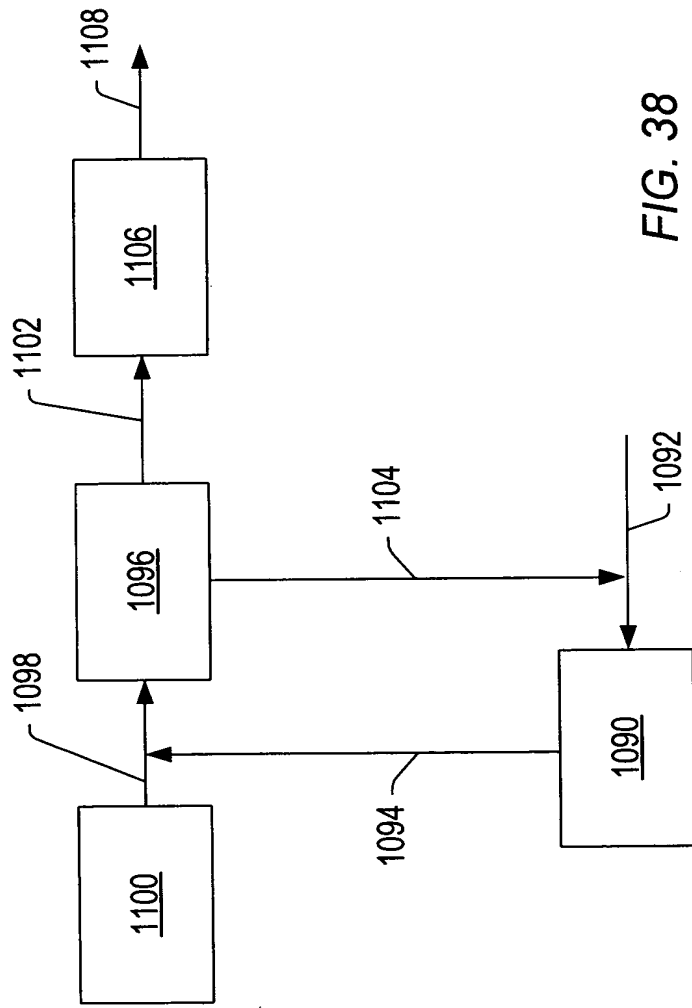


FIG. 38

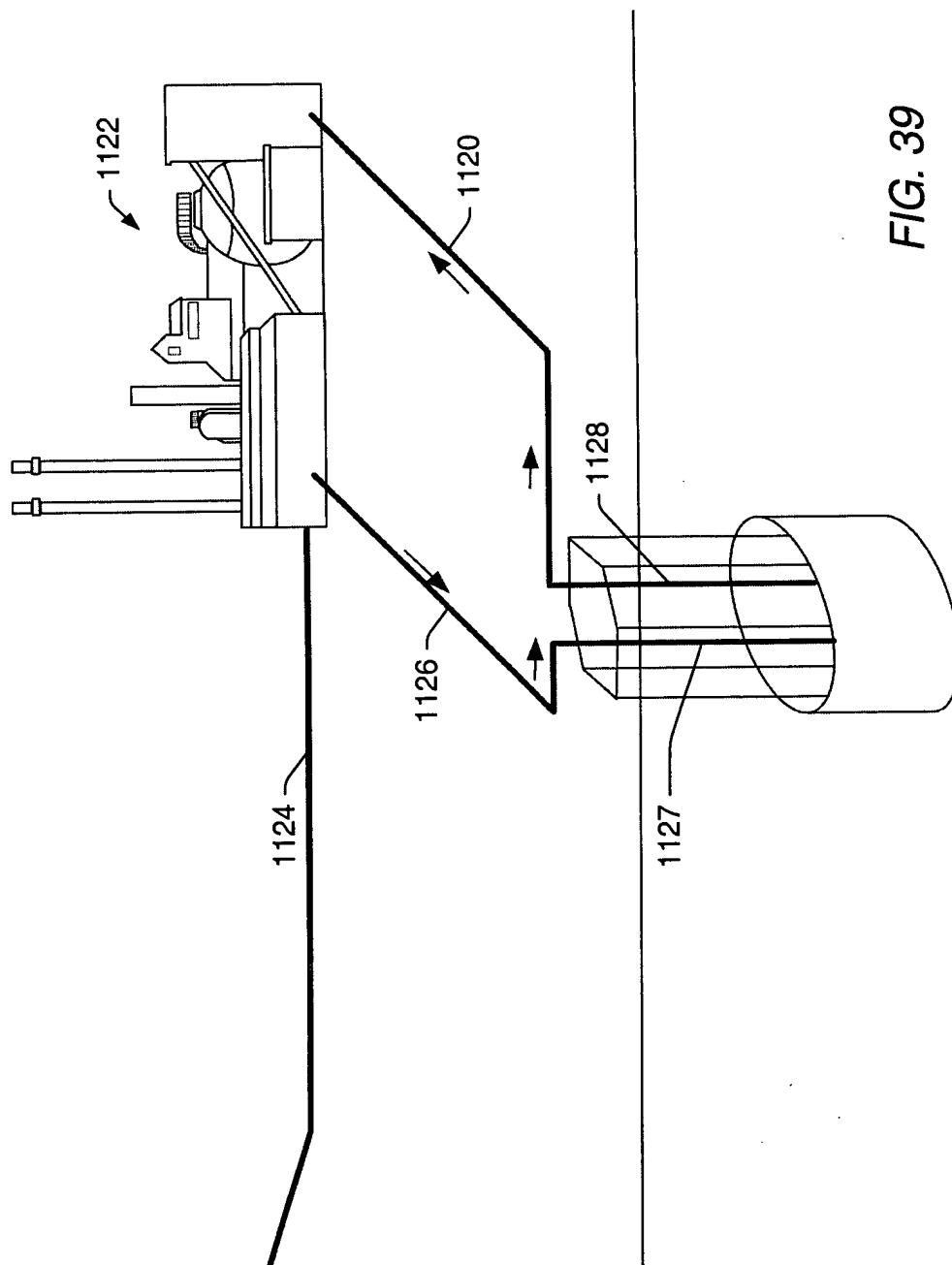


FIG. 39

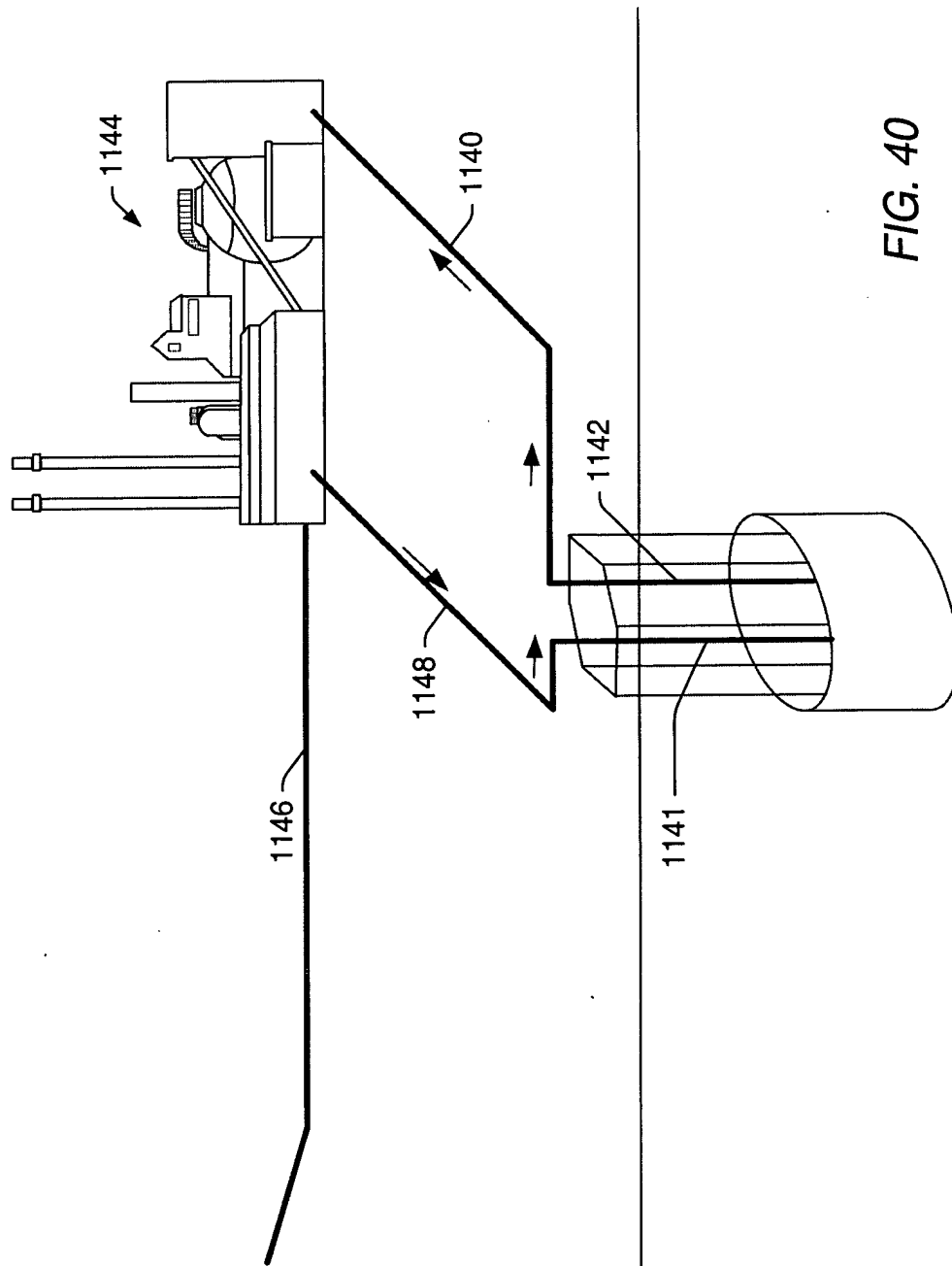


FIG. 40

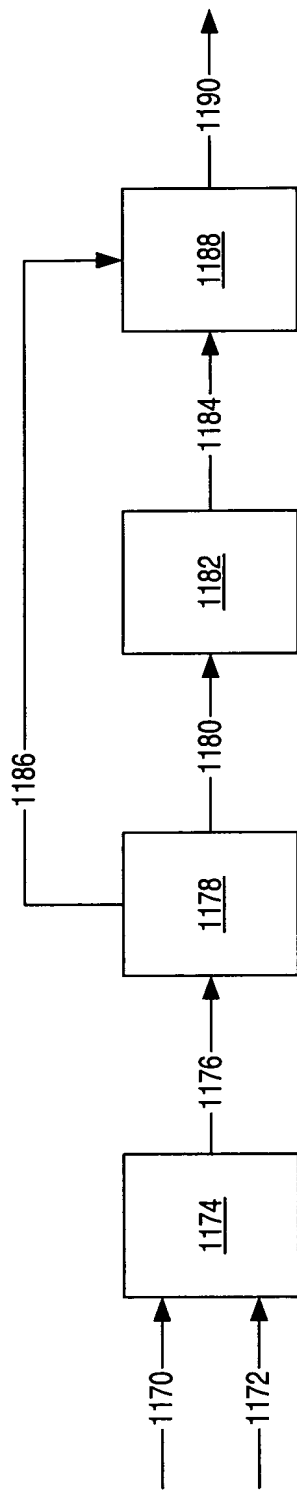


FIG. 41

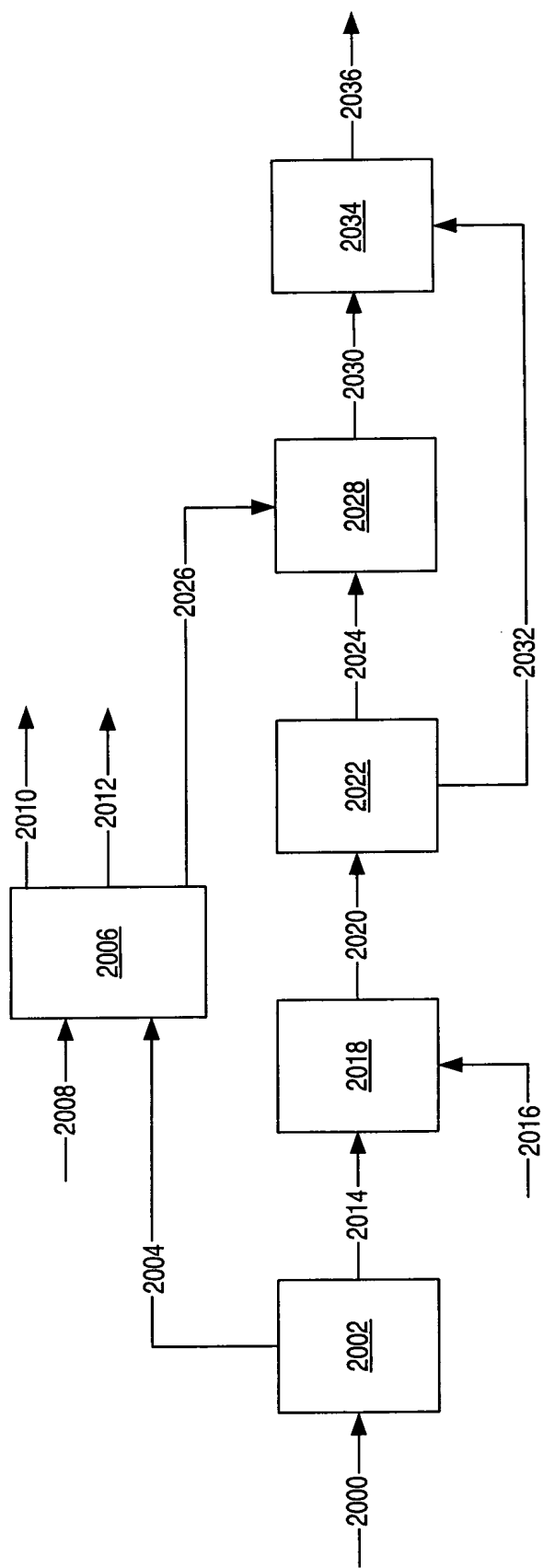


FIG. 42

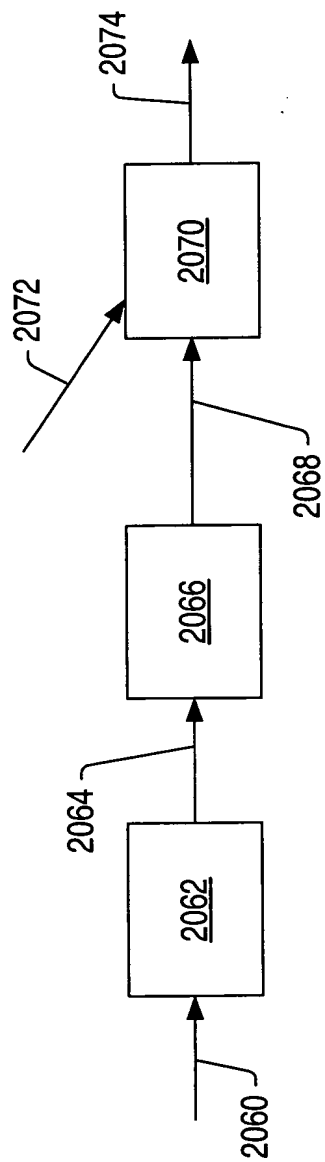


FIG. 43



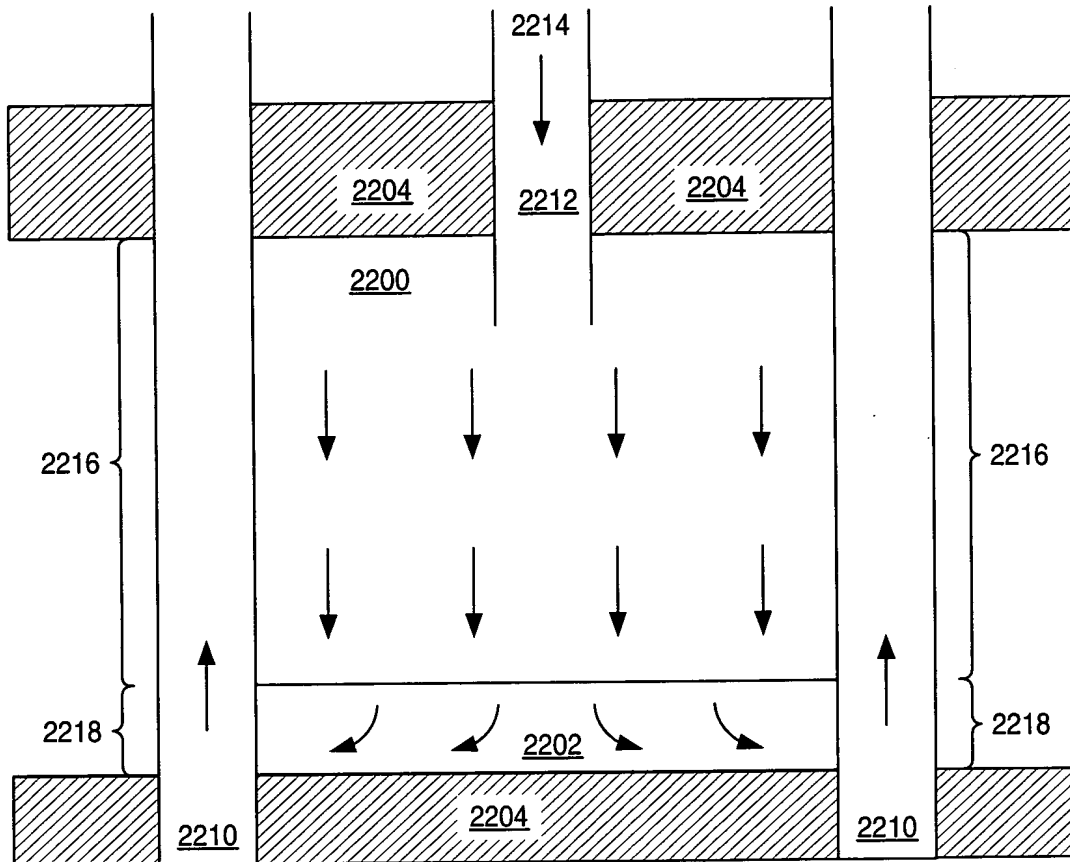


FIG. 44

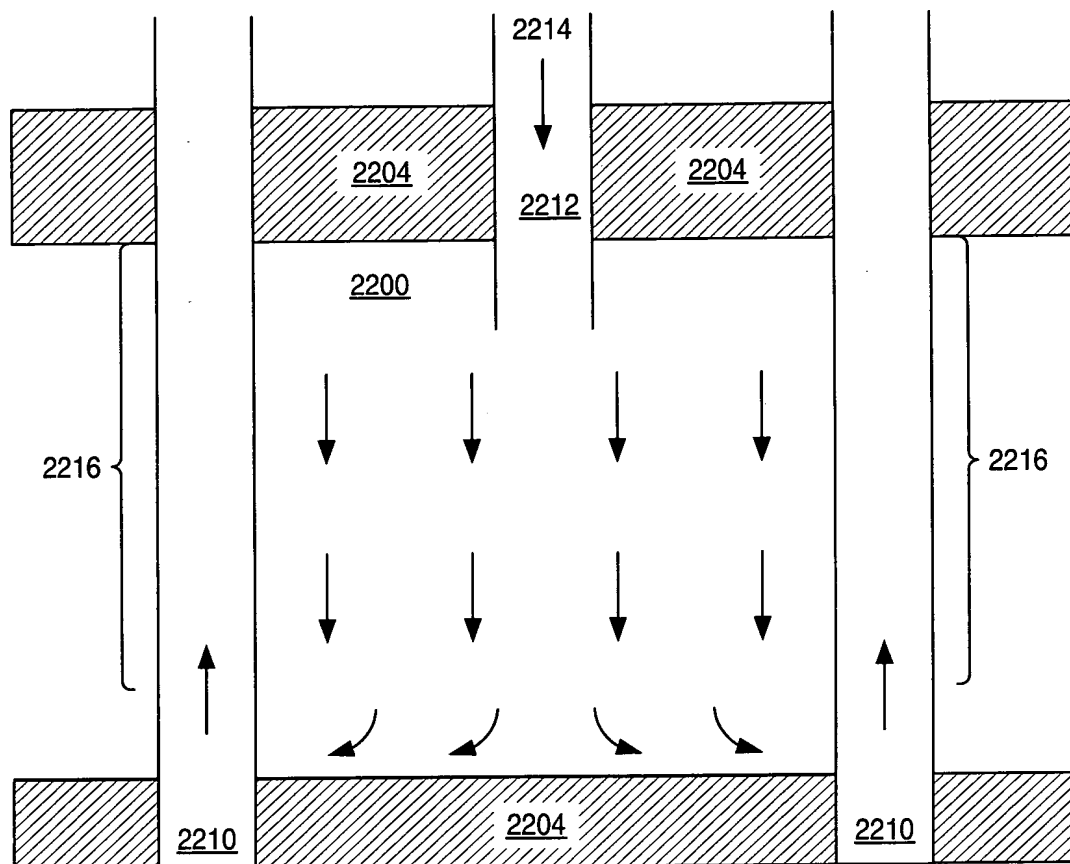


FIG. 45

FIG. 46

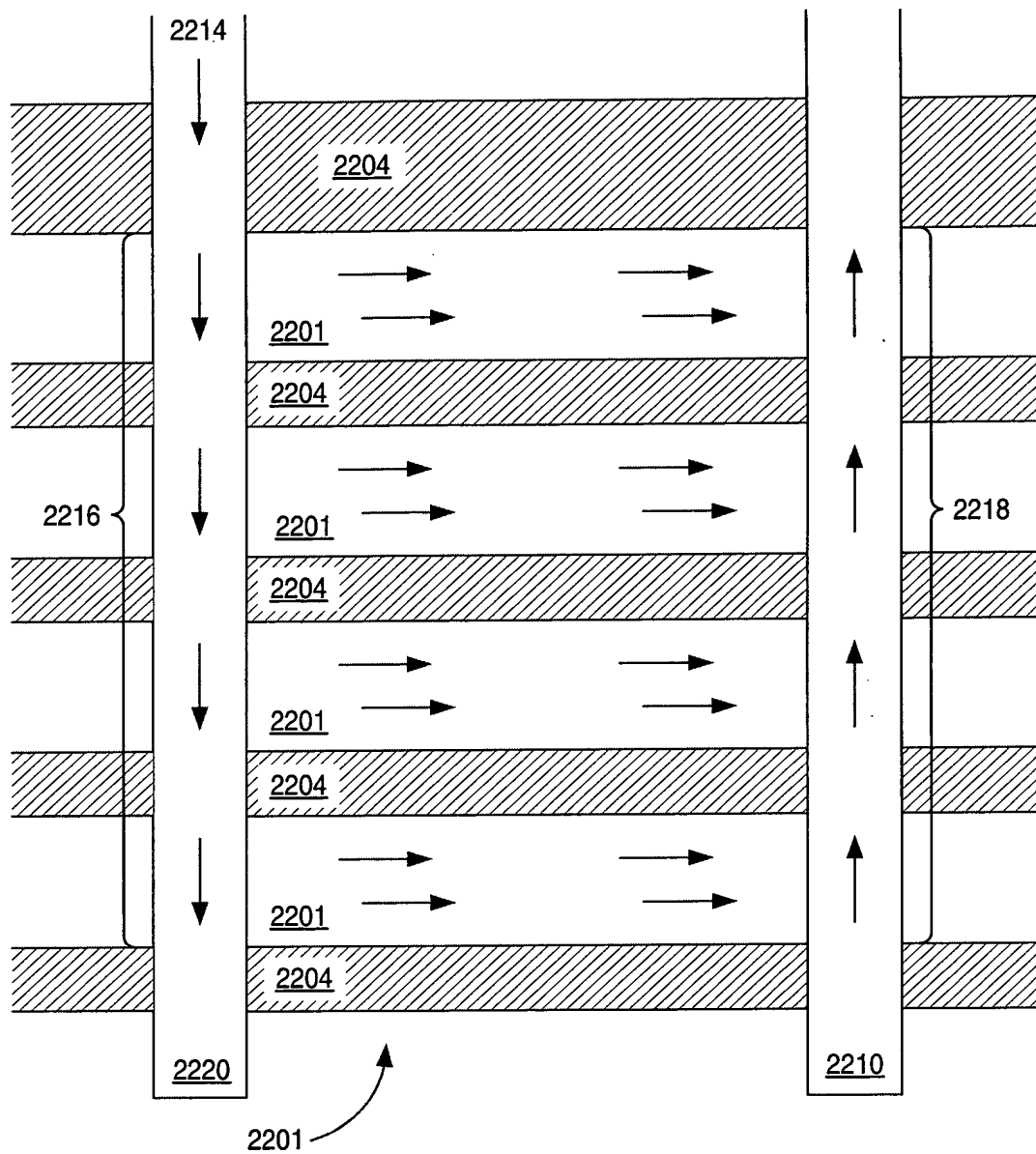


FIG. 46

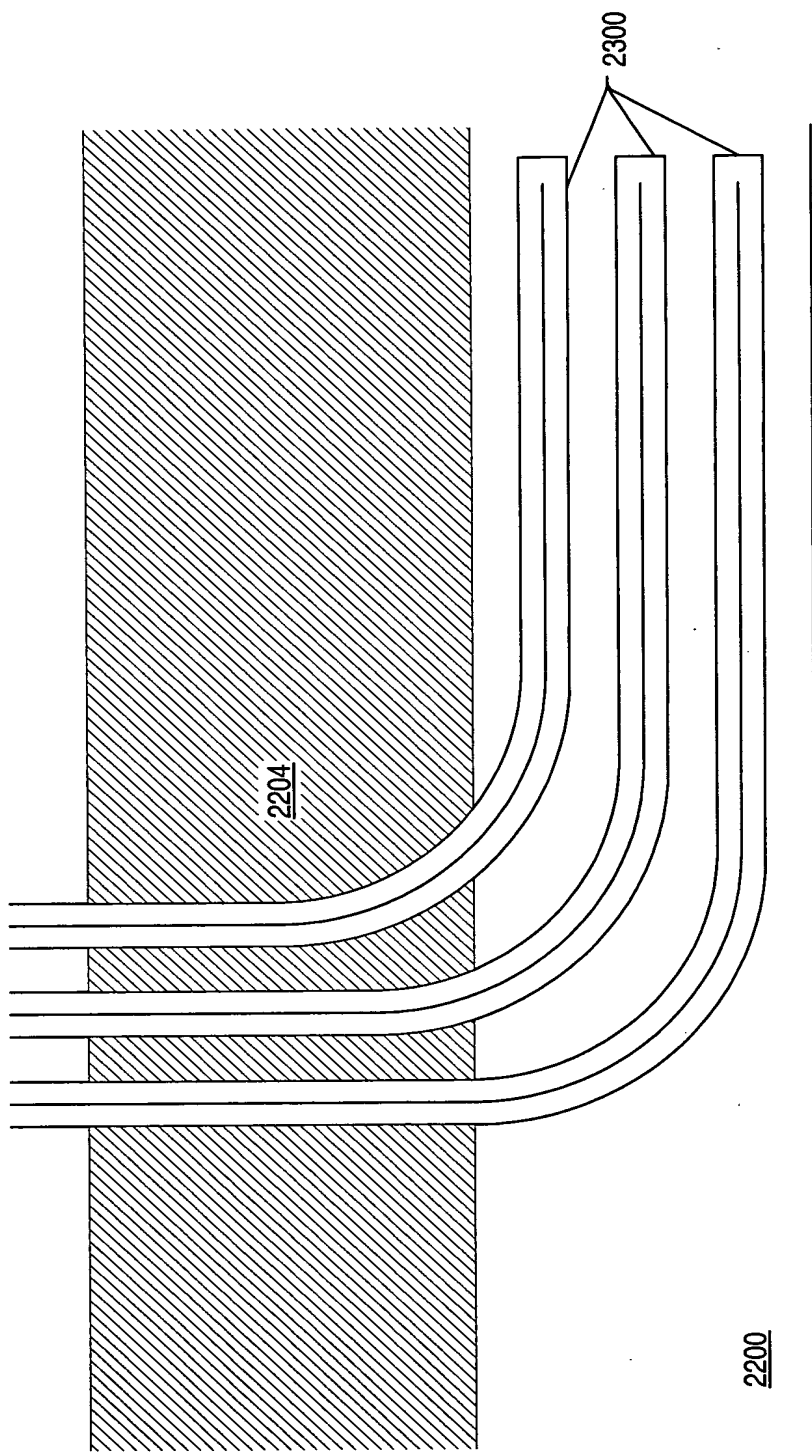


FIG. 47

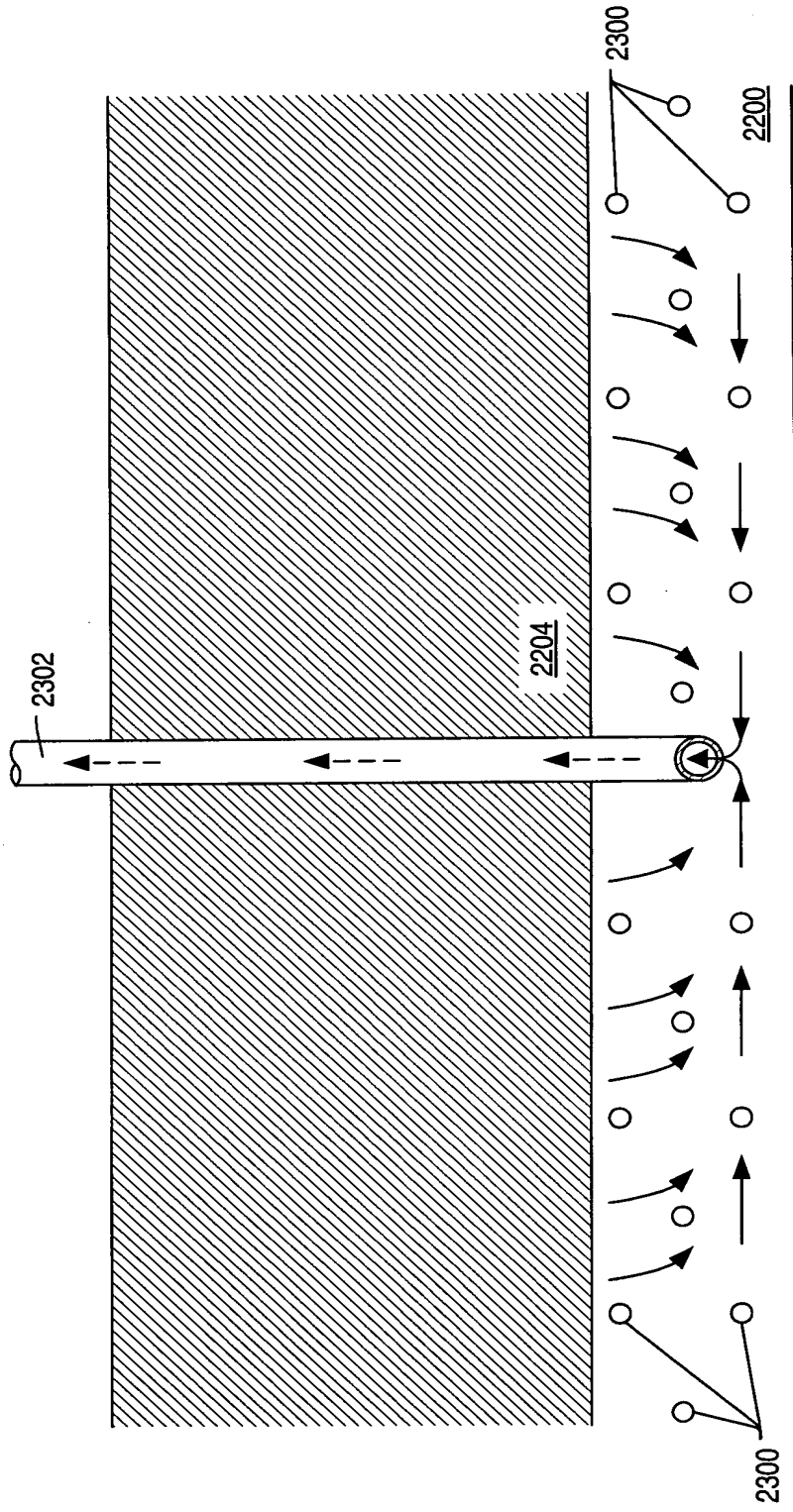


FIG. 48

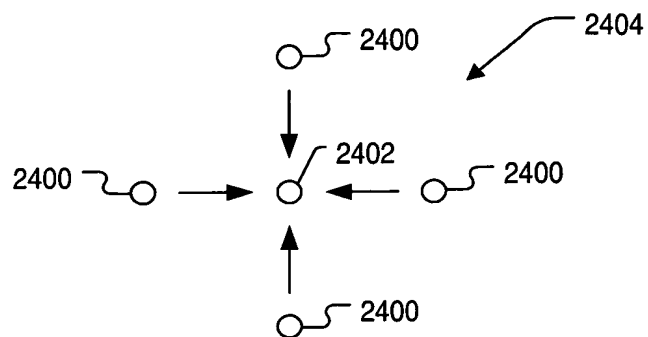


FIG. 49

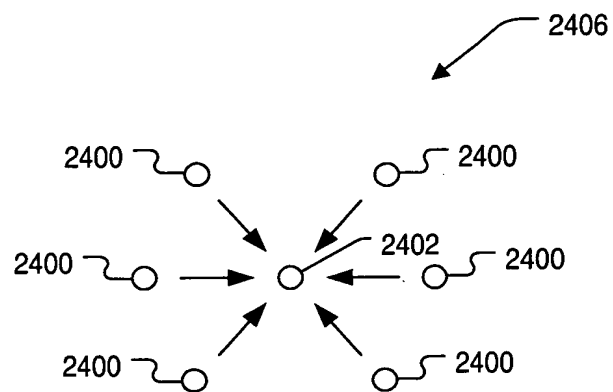


FIG. 50

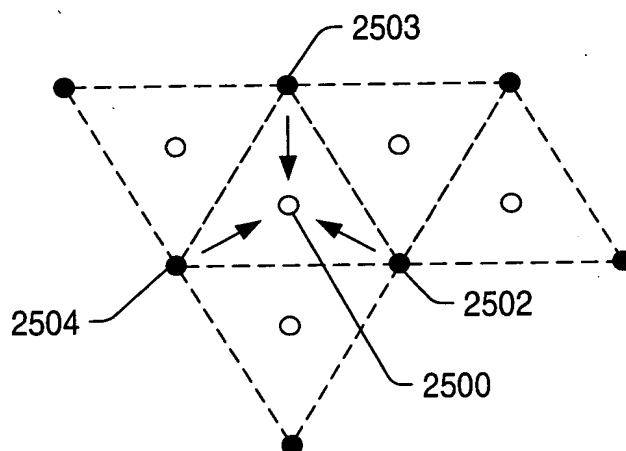


FIG. 51

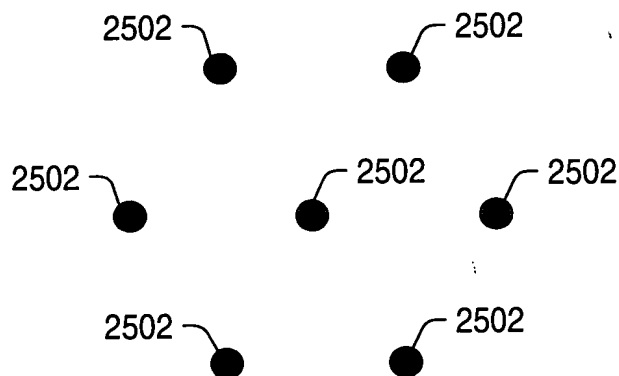


FIG. 52

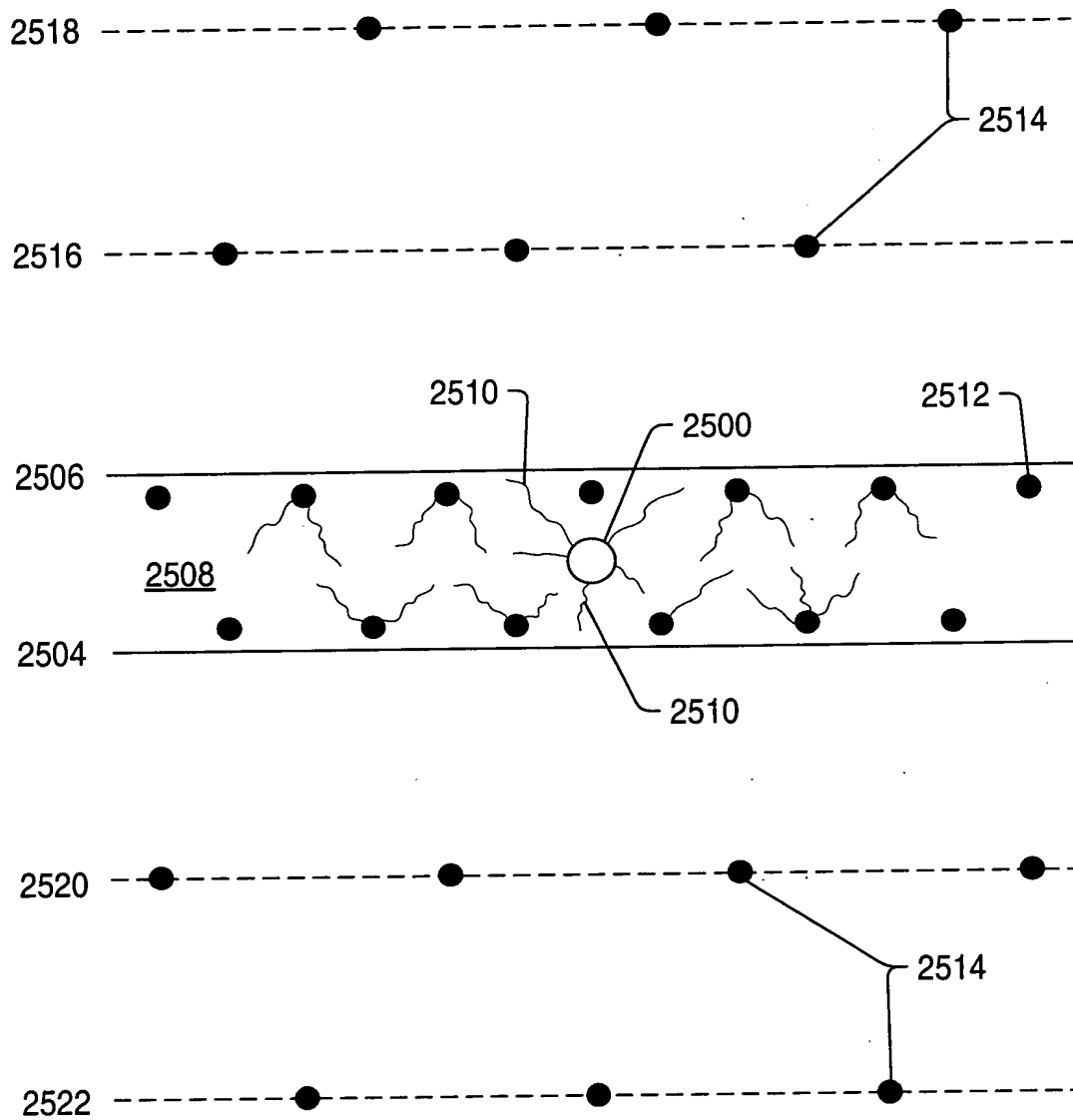
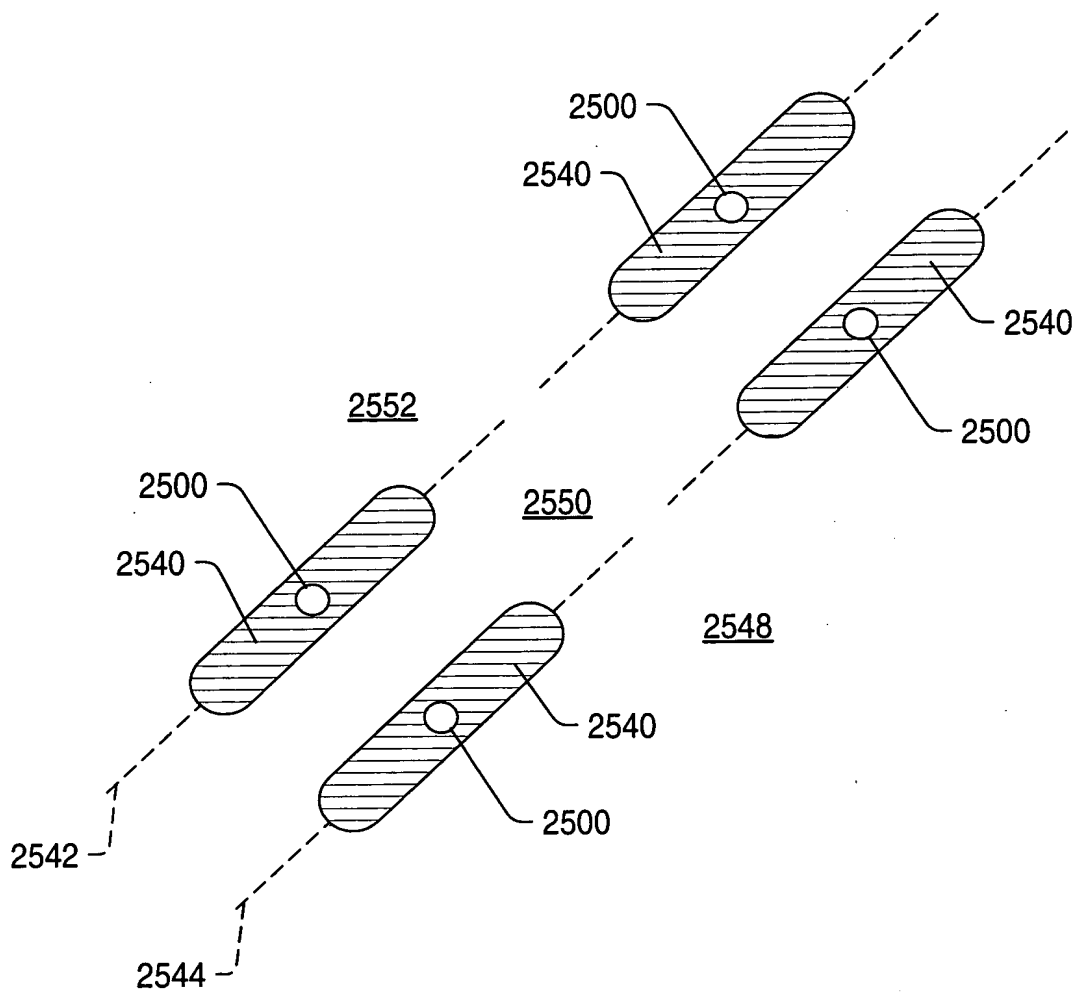


FIG. 53





**FIG. 54**

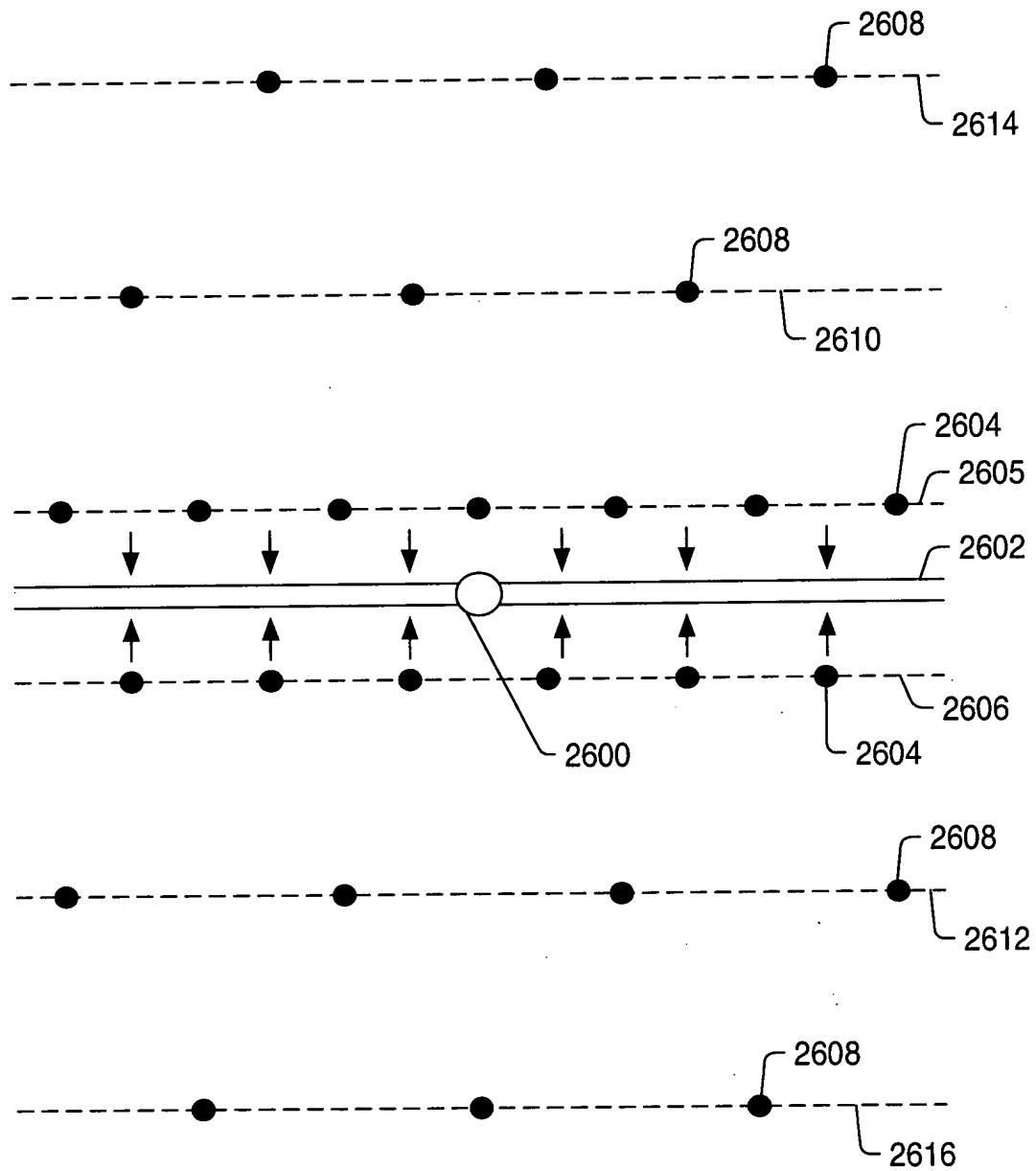


FIG. 55

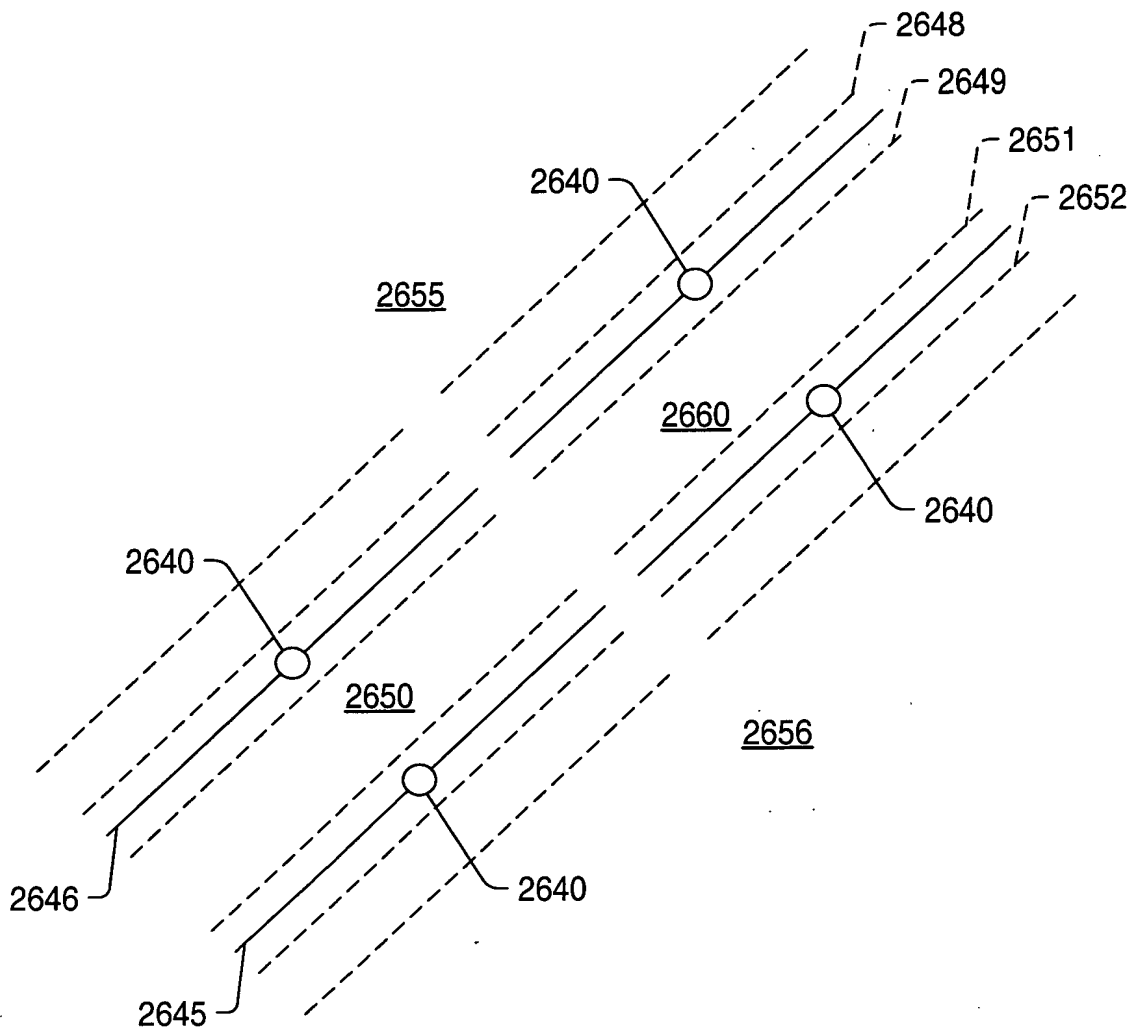
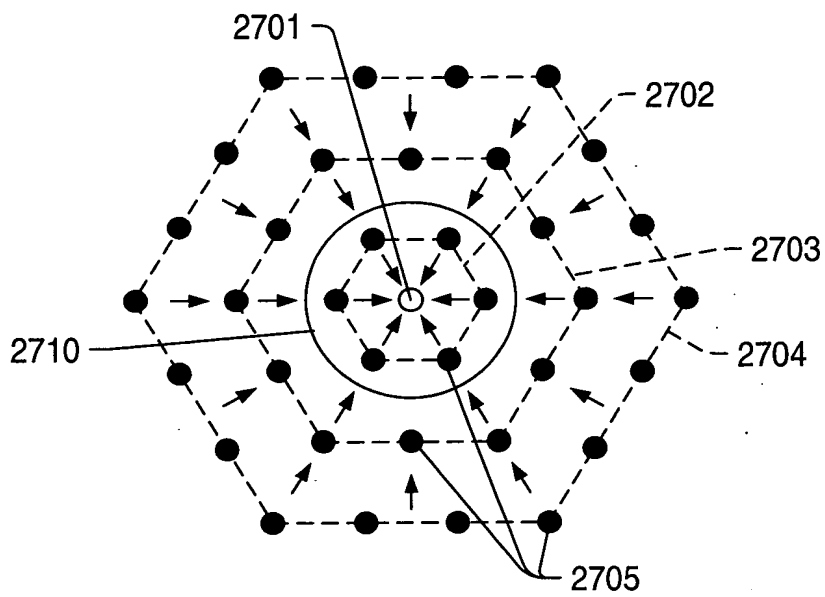


FIG. 56



**FIG. 57**

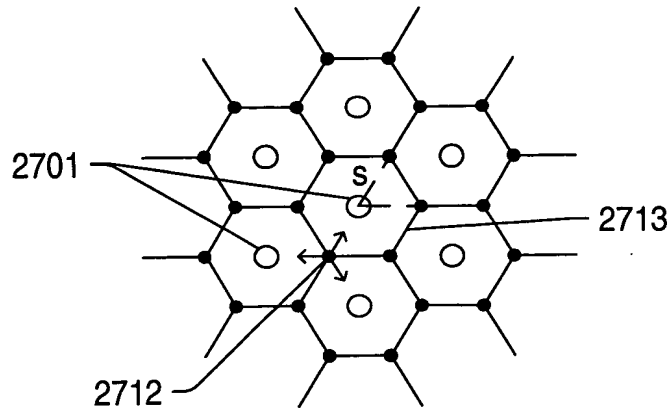


FIG. 58

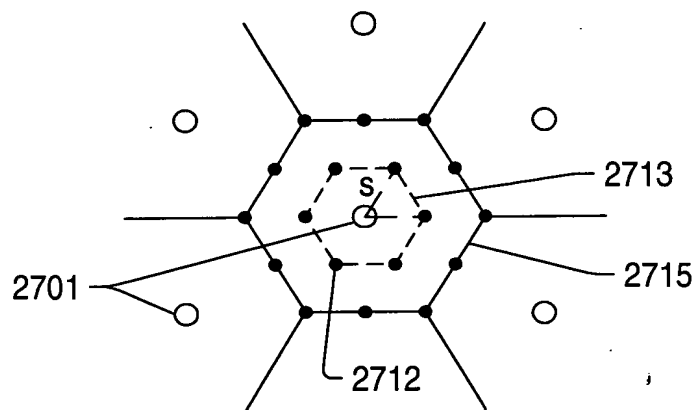


FIG. 59

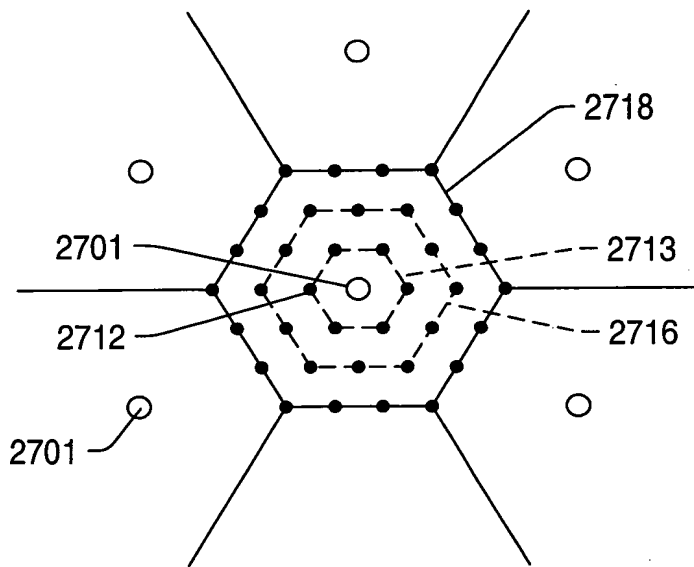


FIG. 60

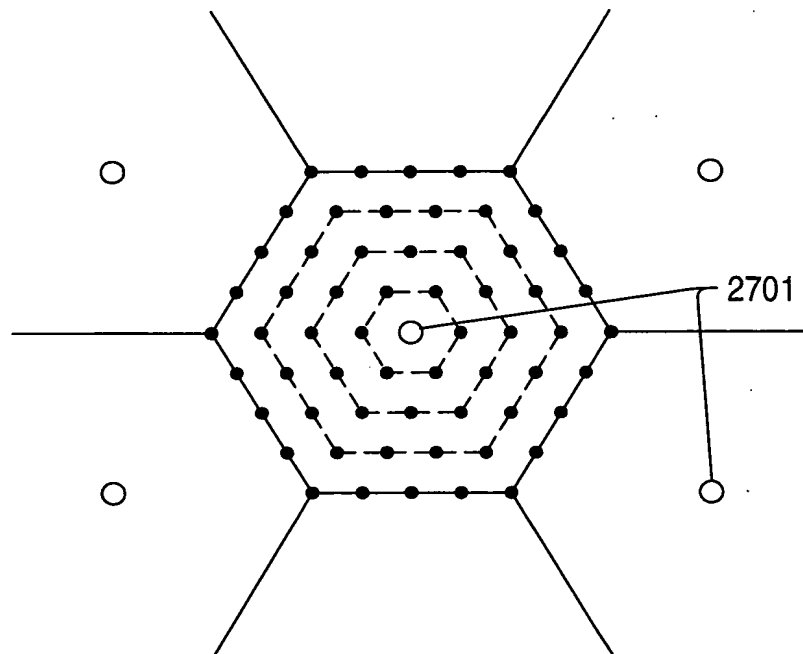


FIG. 61

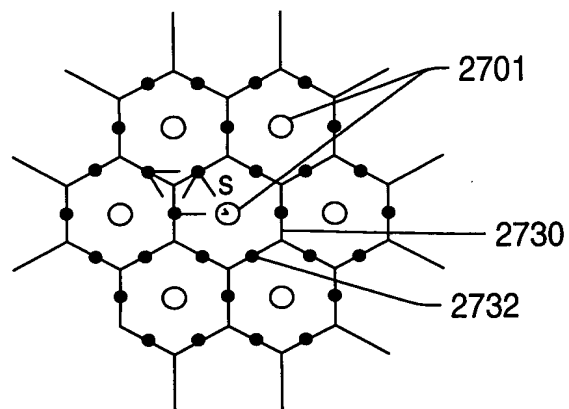


FIG. 62

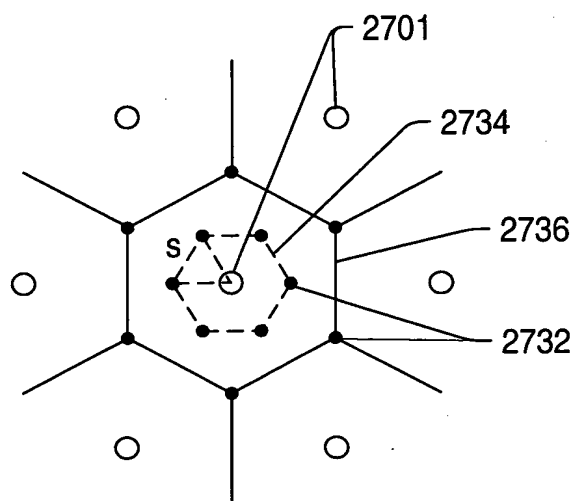


FIG. 63

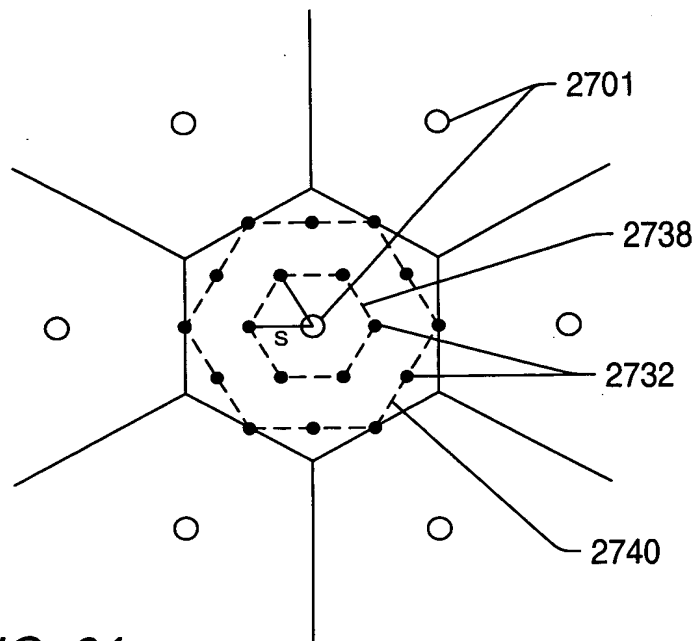


FIG. 64

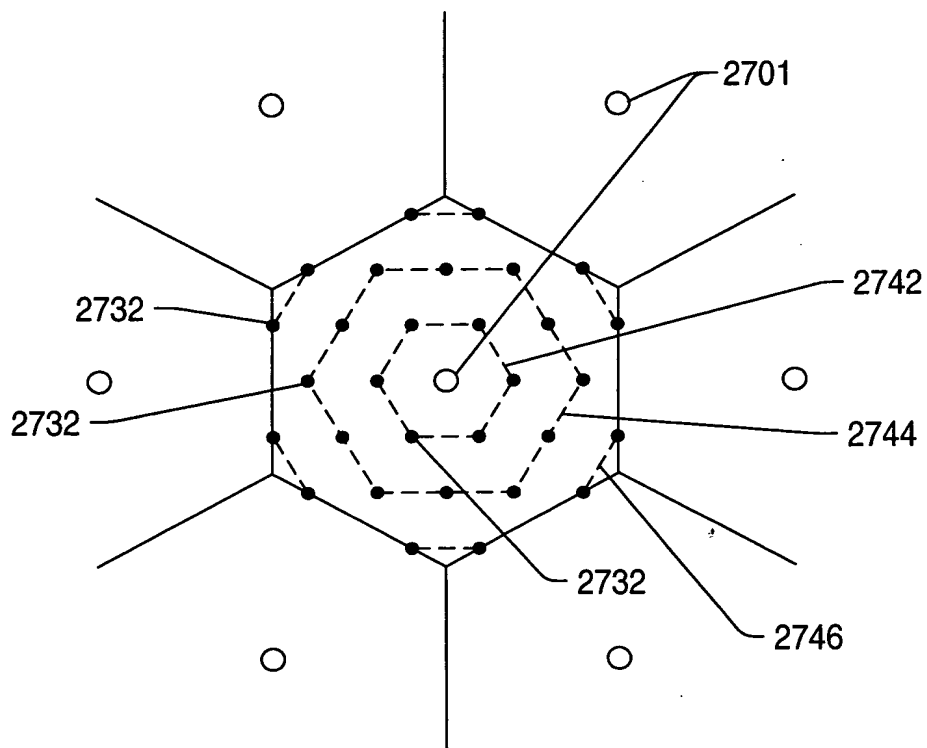


FIG. 65



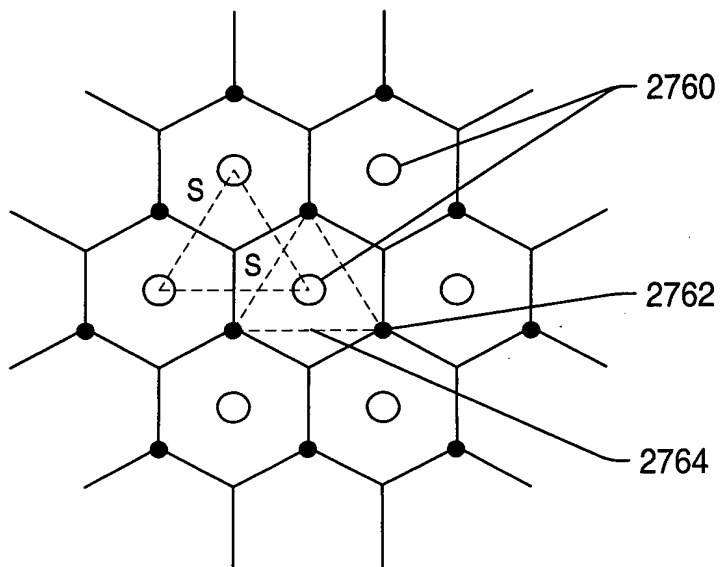


FIG. 66

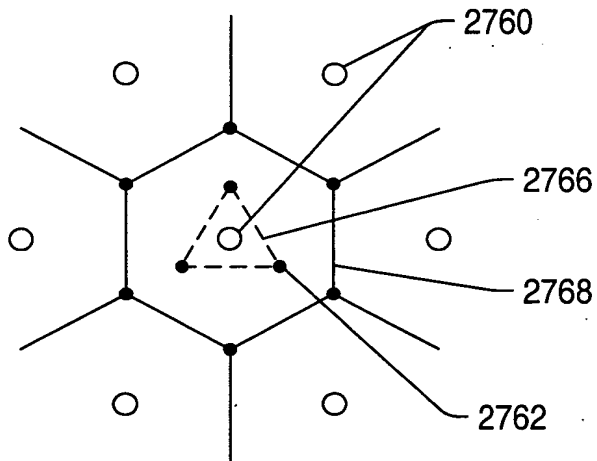


FIG. 67

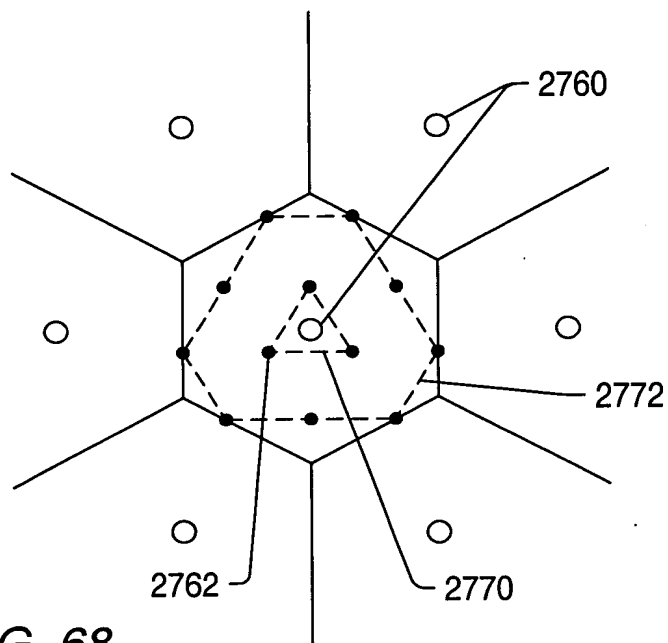


FIG. 68

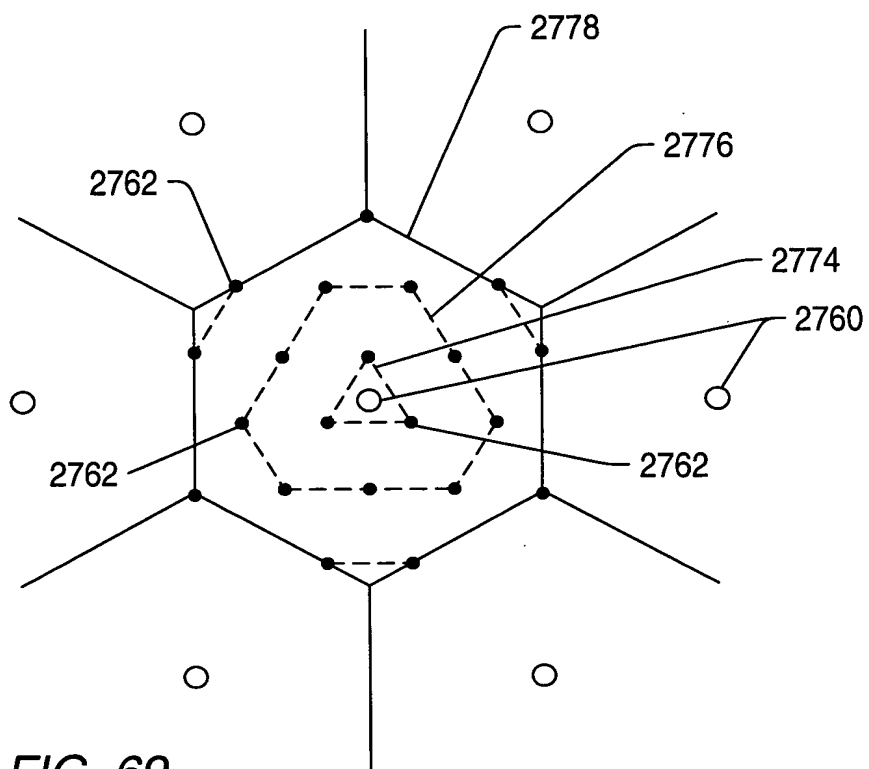


FIG. 69

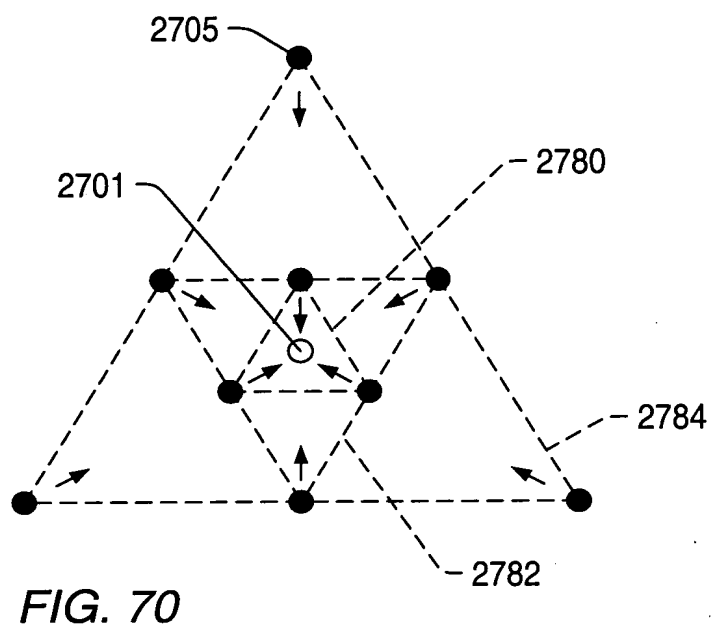


FIG. 70

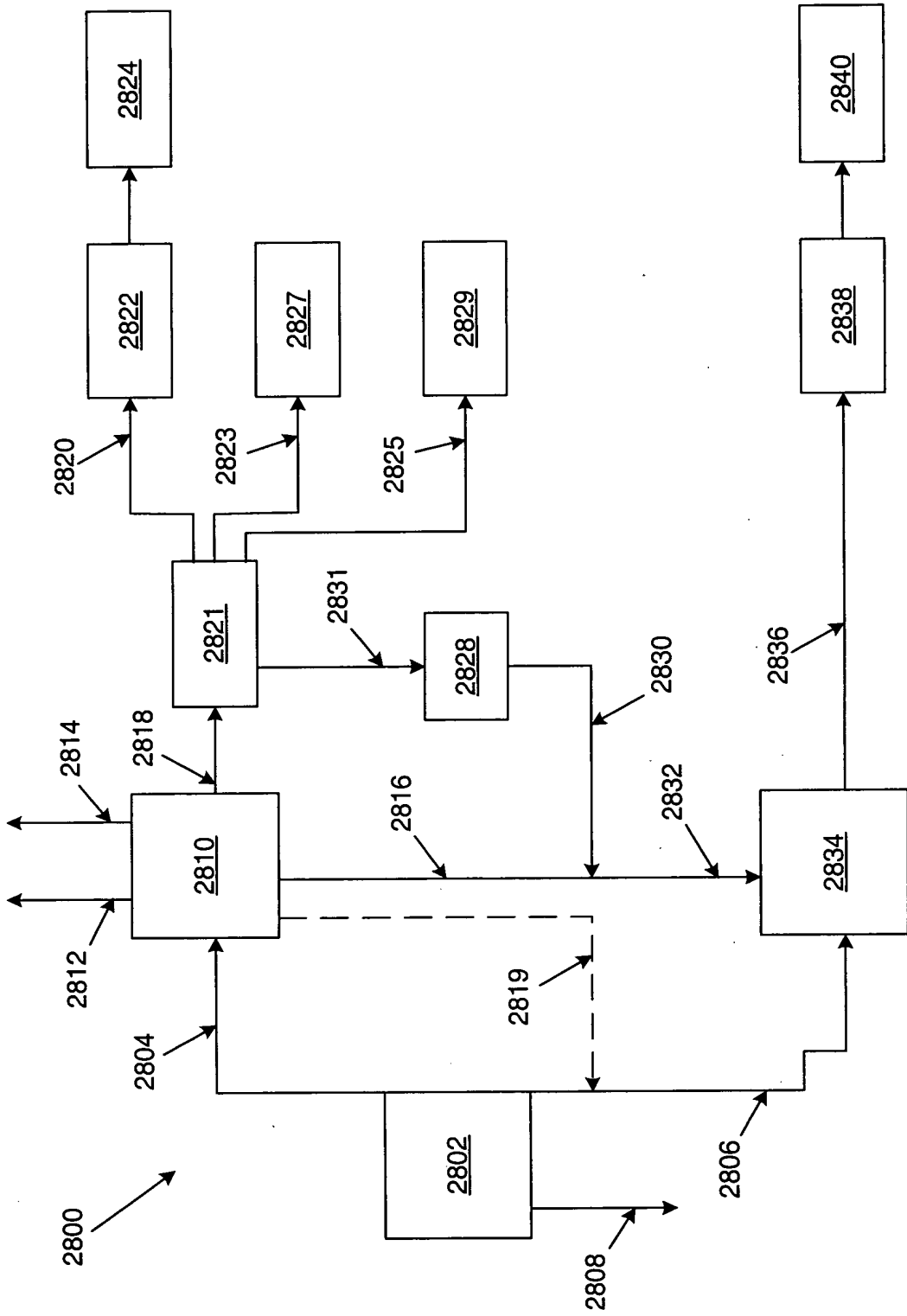


Fig. 71

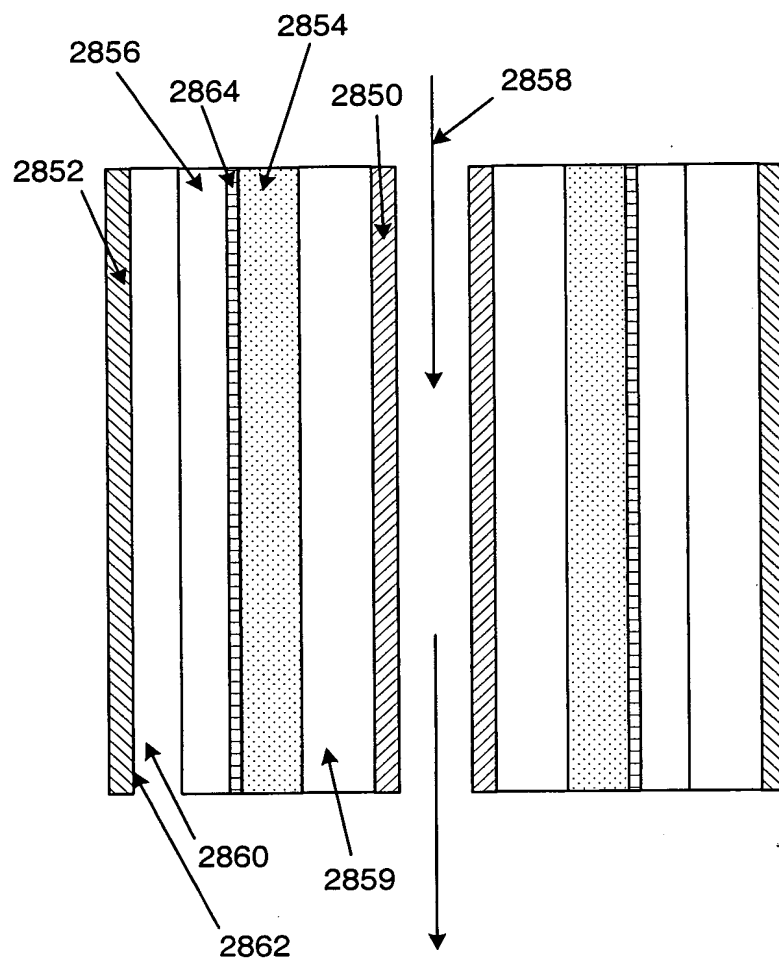


Fig. 72

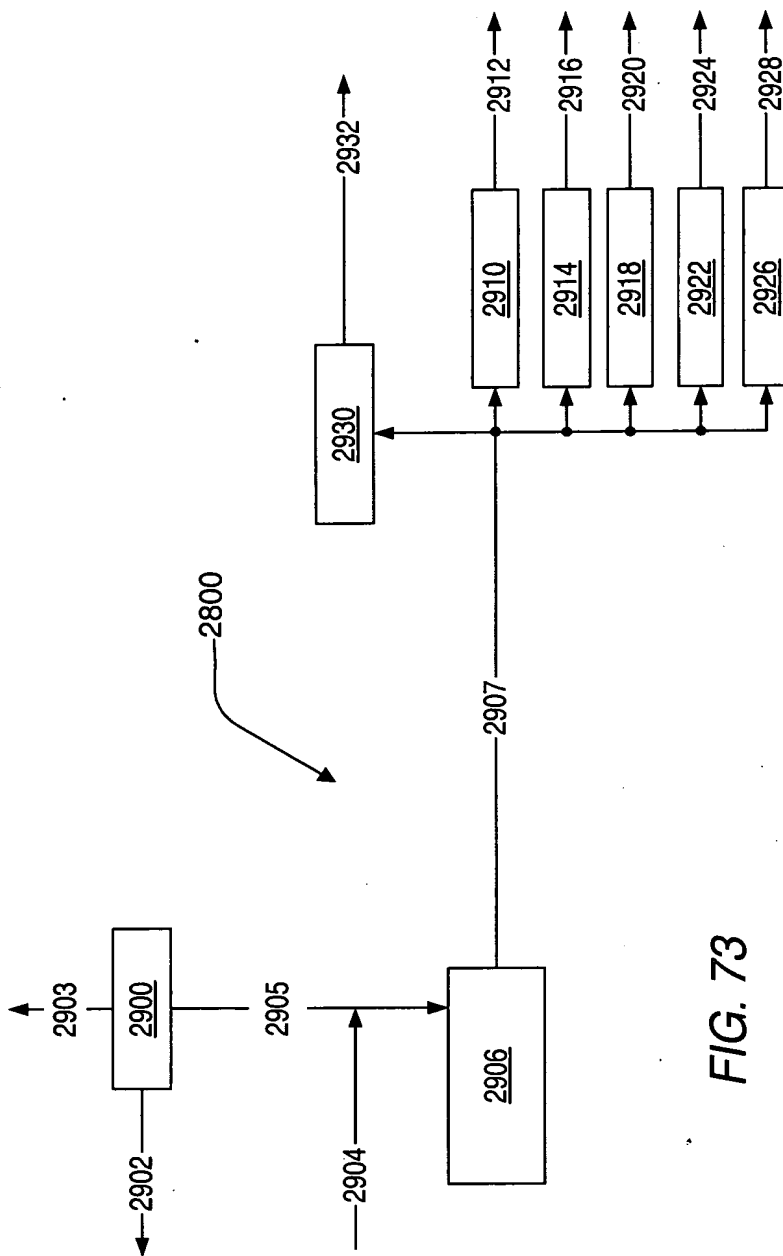


FIG. 73

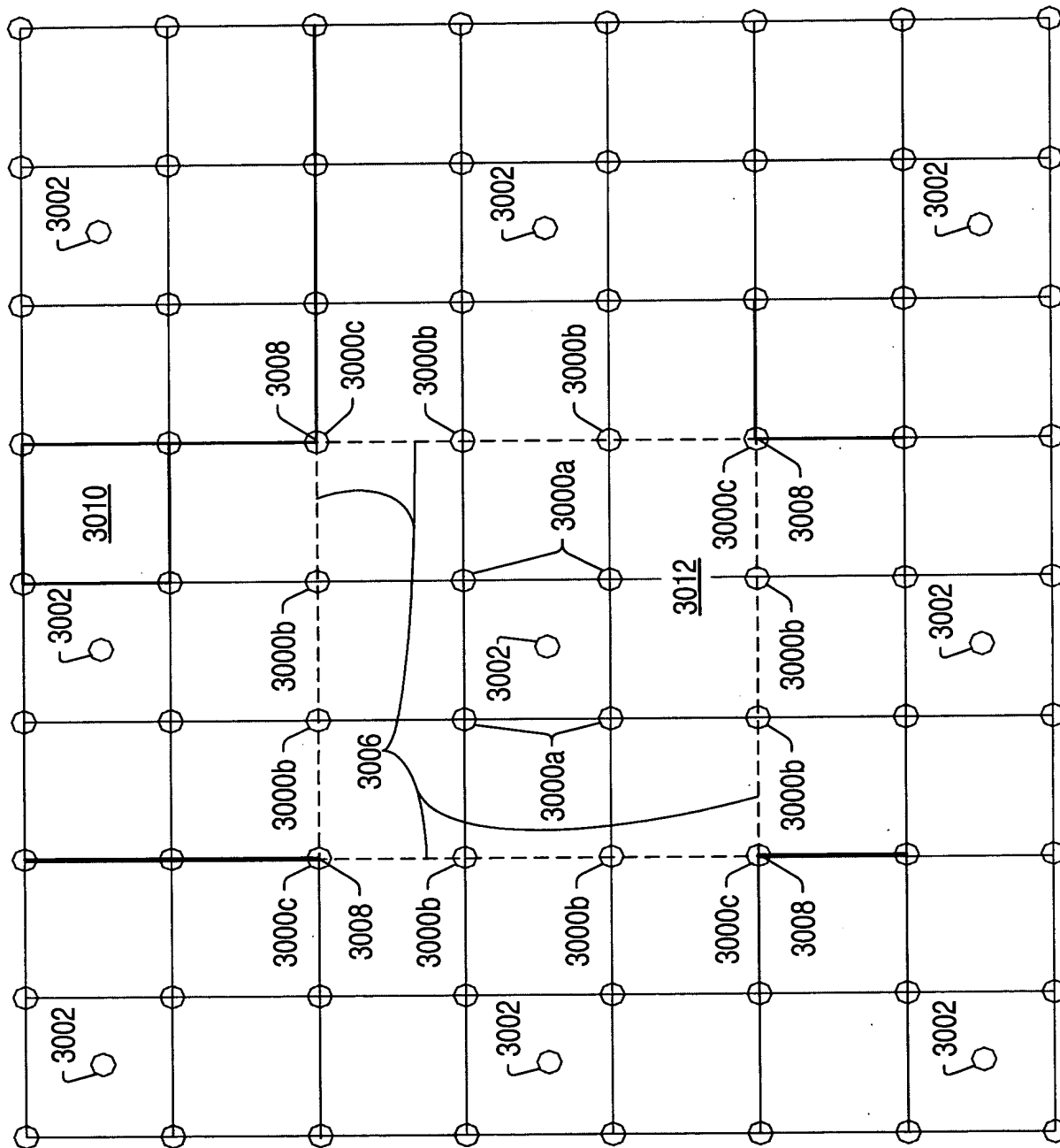


FIG. 74

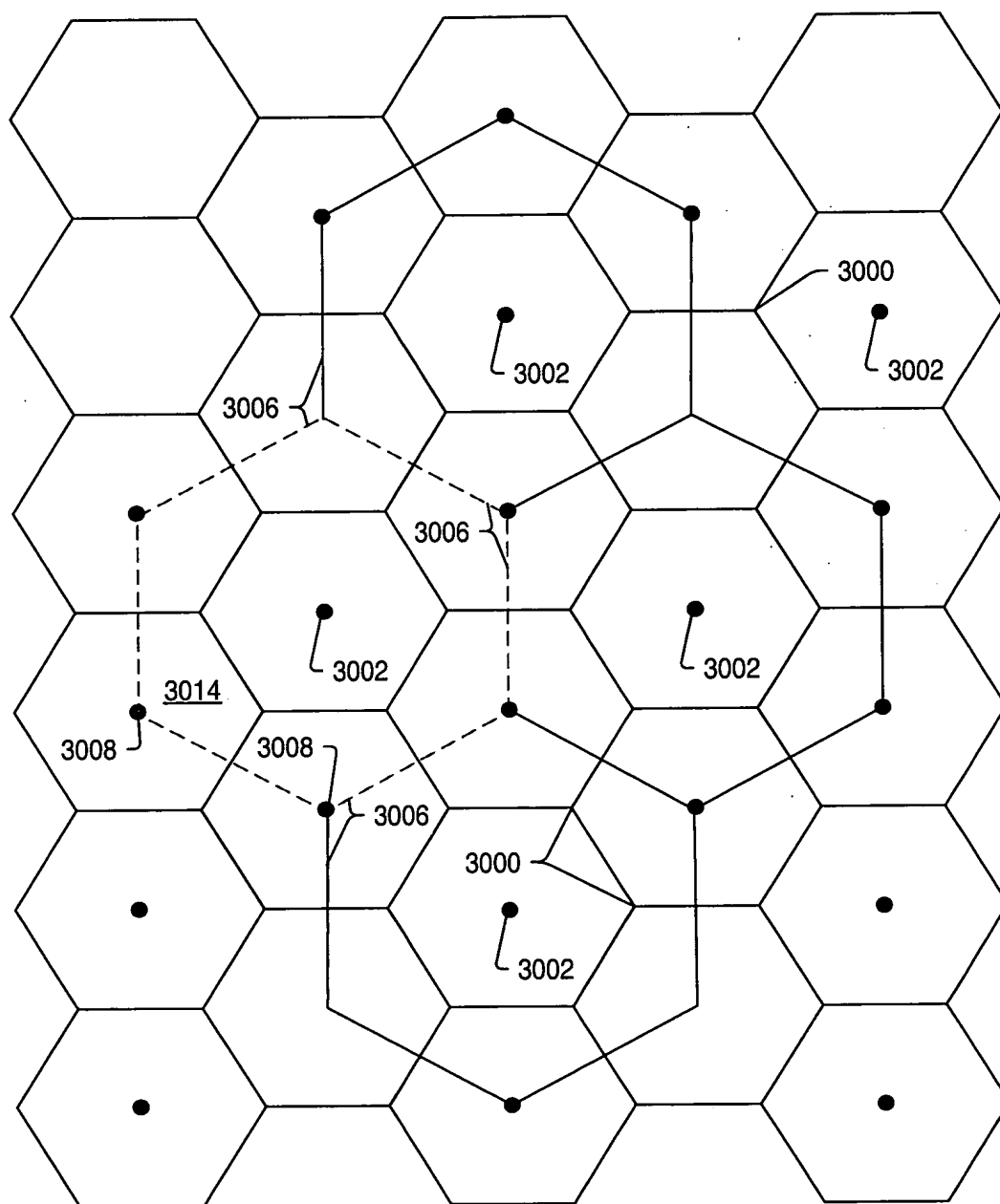


FIG. 75



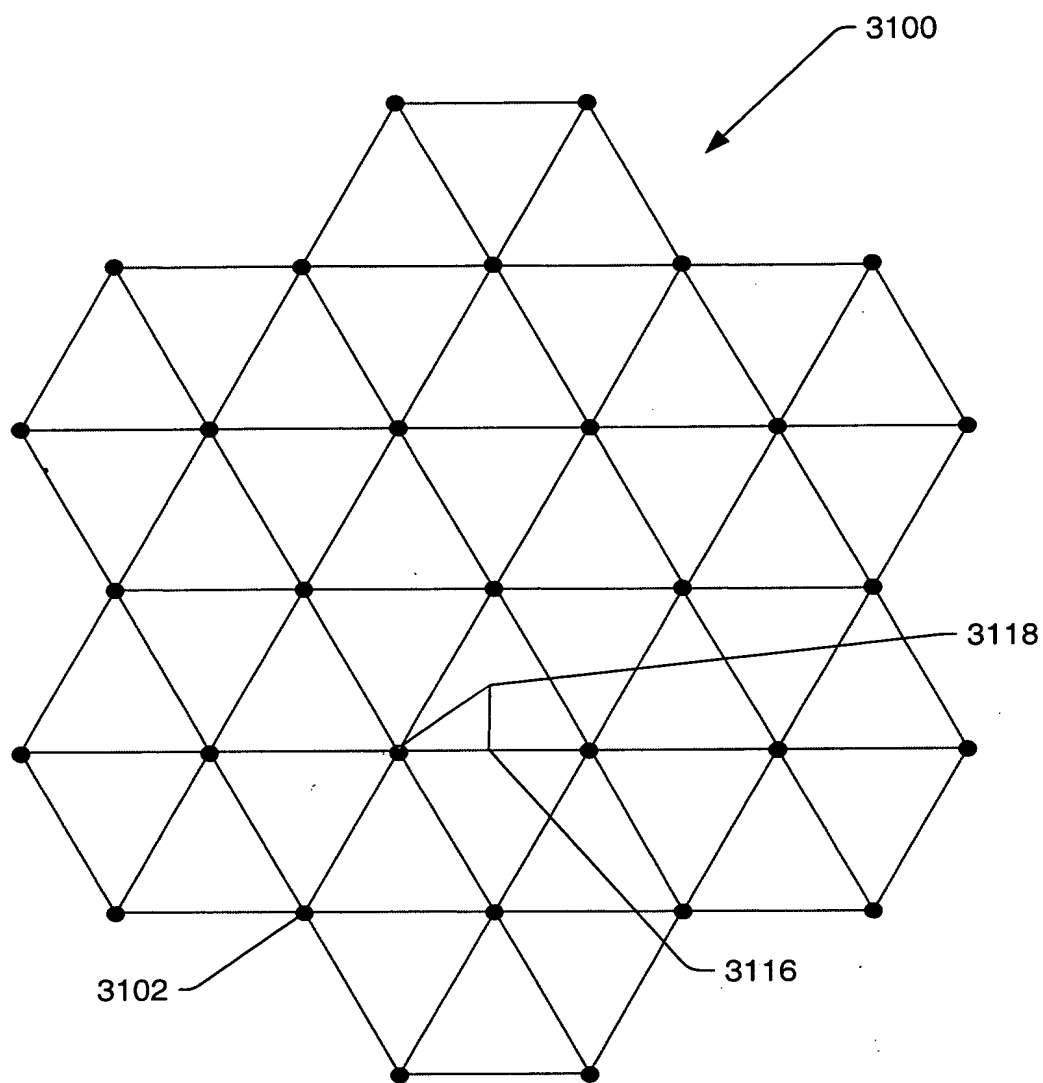


FIG. 76

FIG. 76a

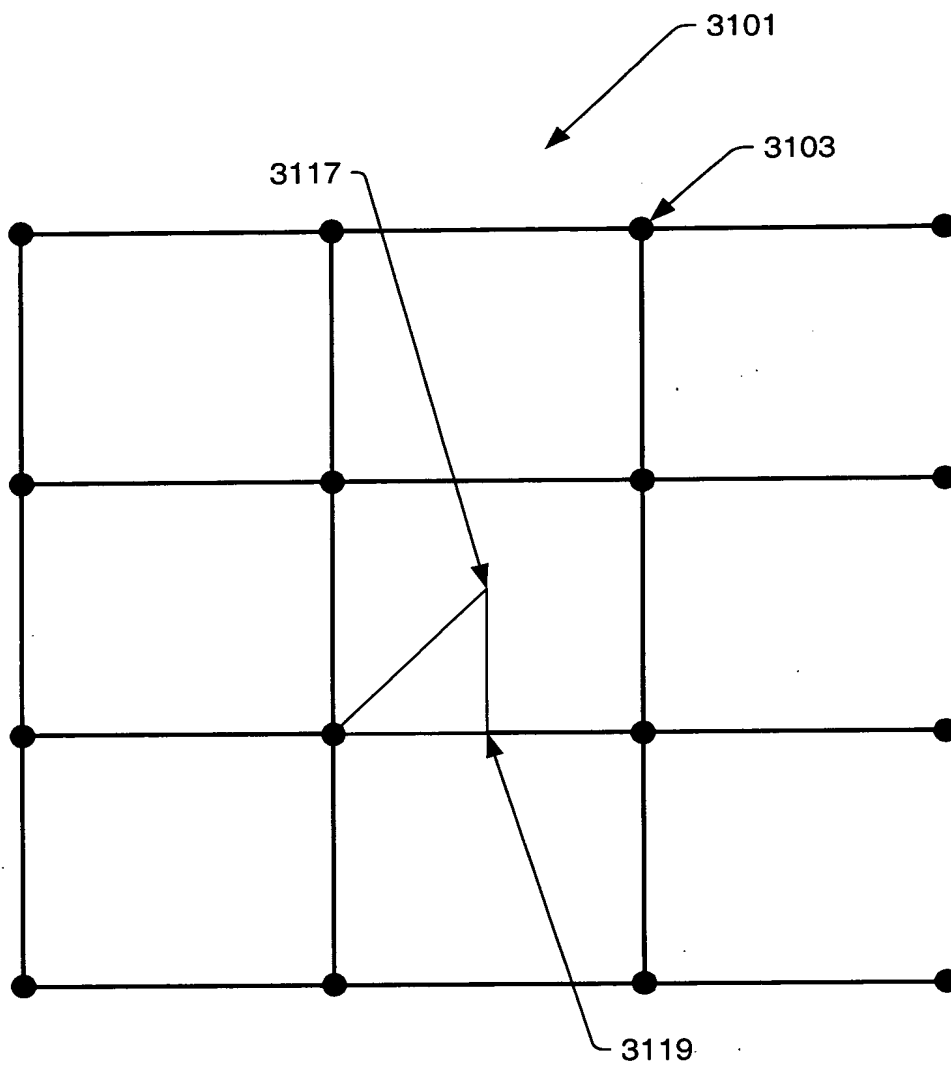
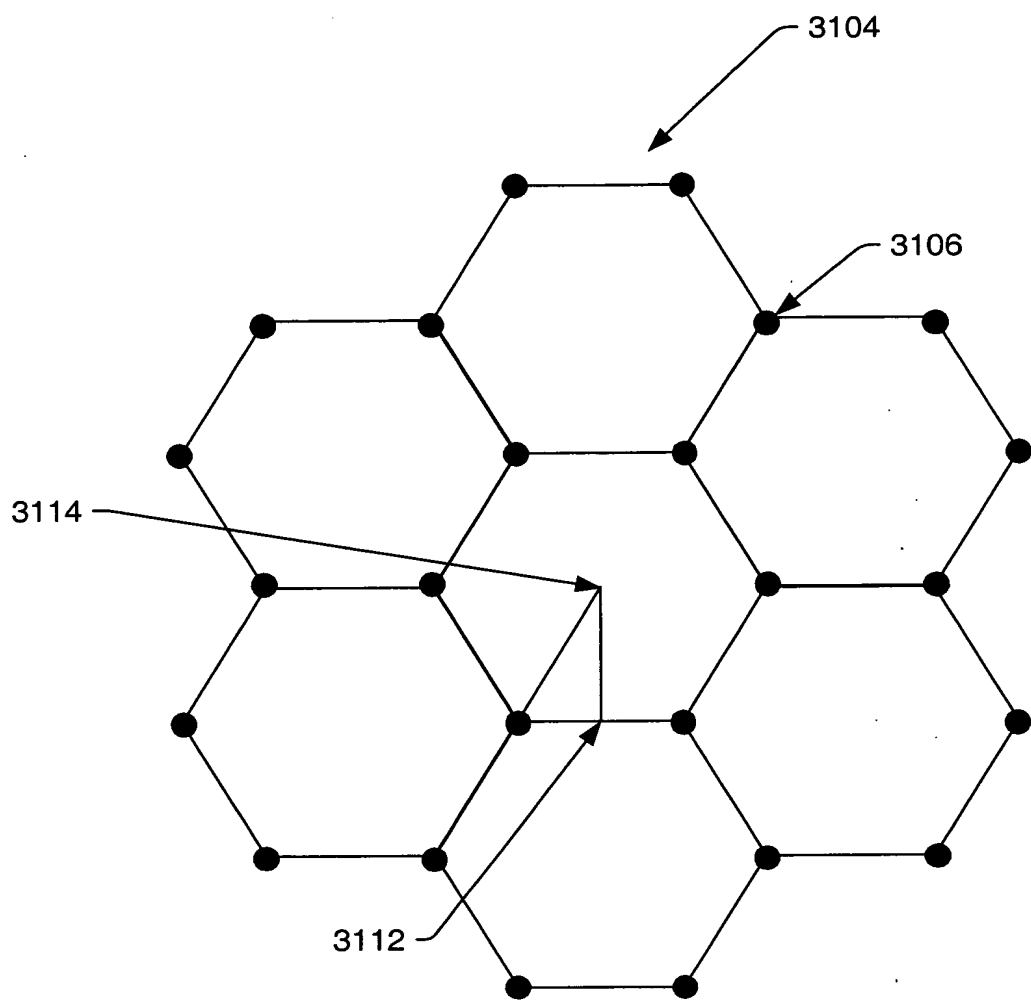
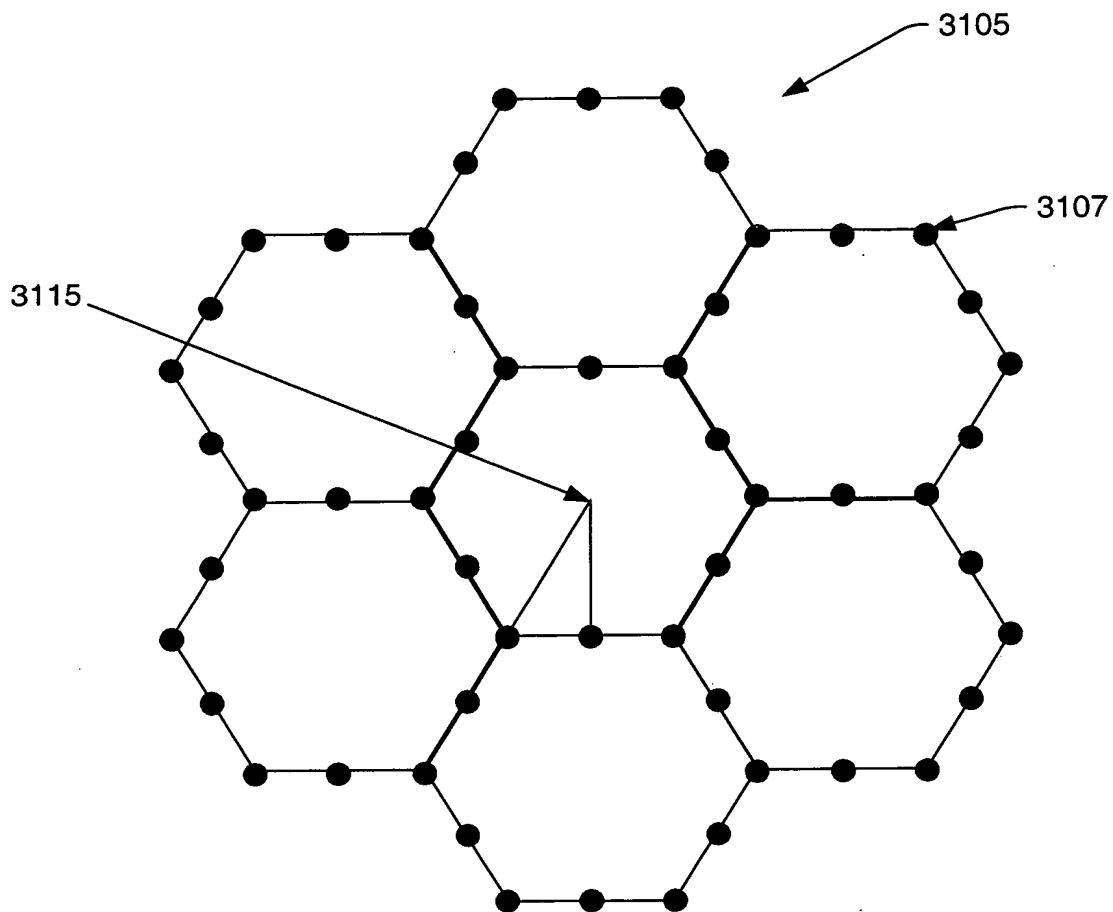


FIG. 76a



**FIG. 77**



*FIG. 77a*

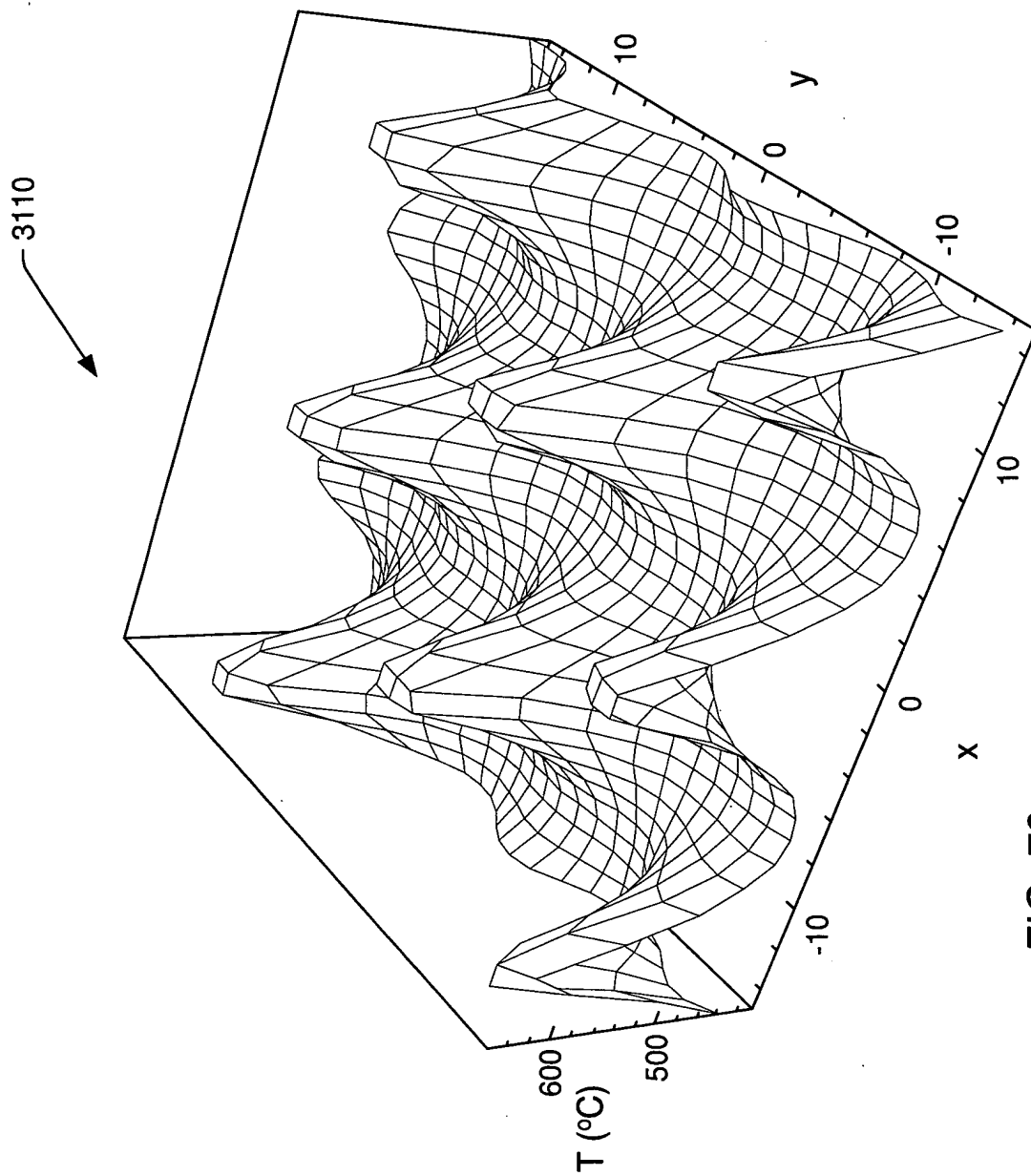


FIG. 78

3108

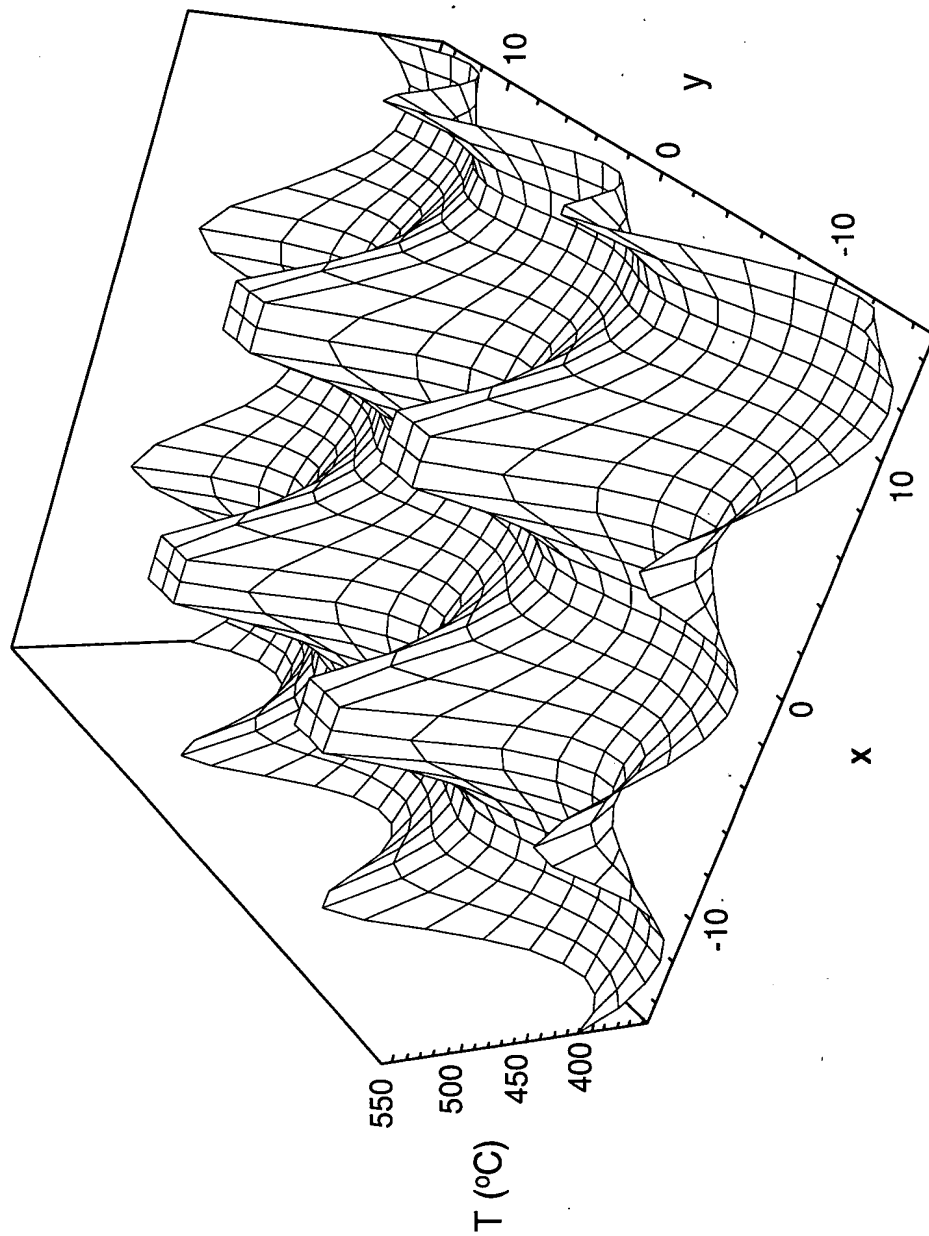


FIG. 79

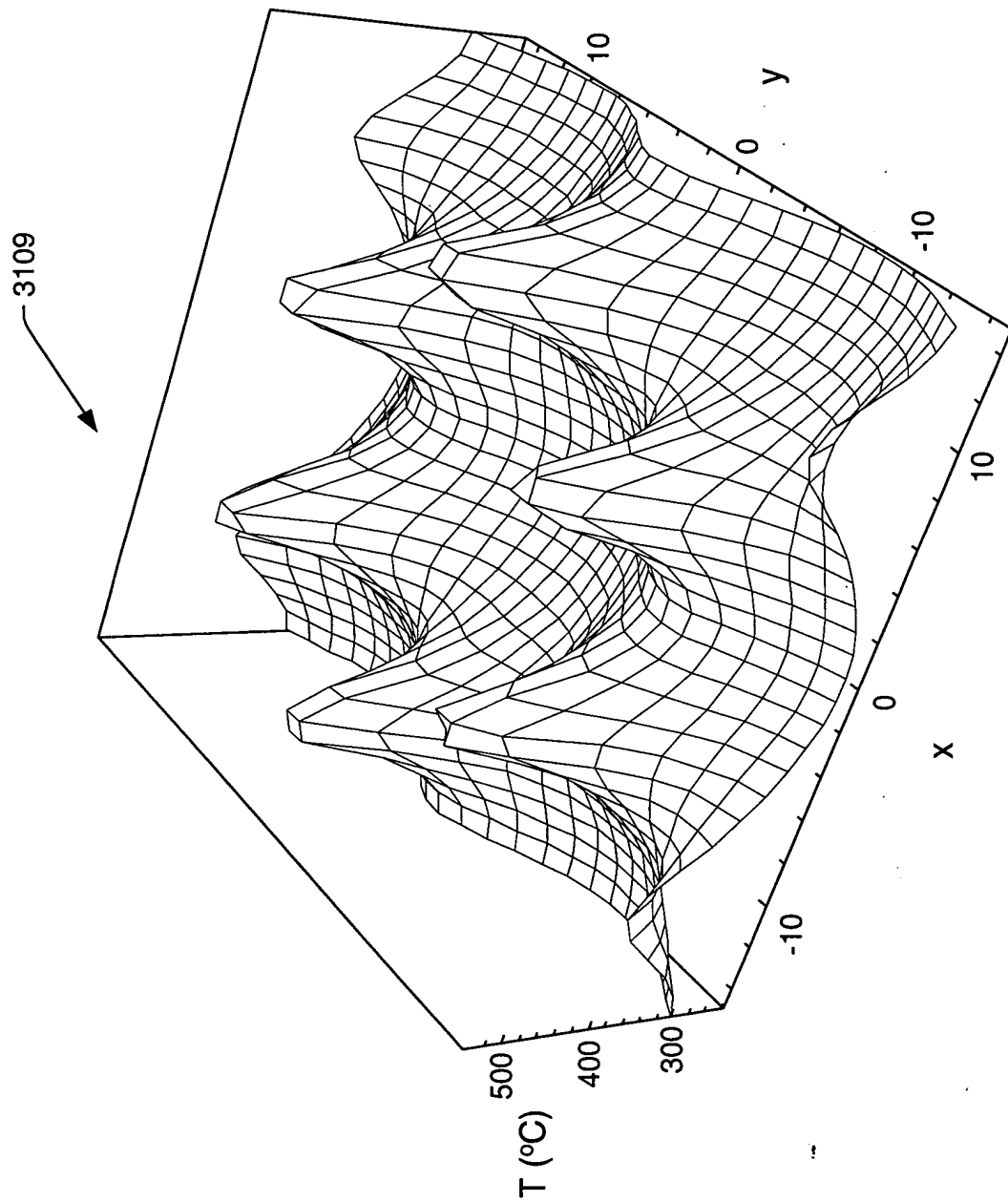


FIG. 79a

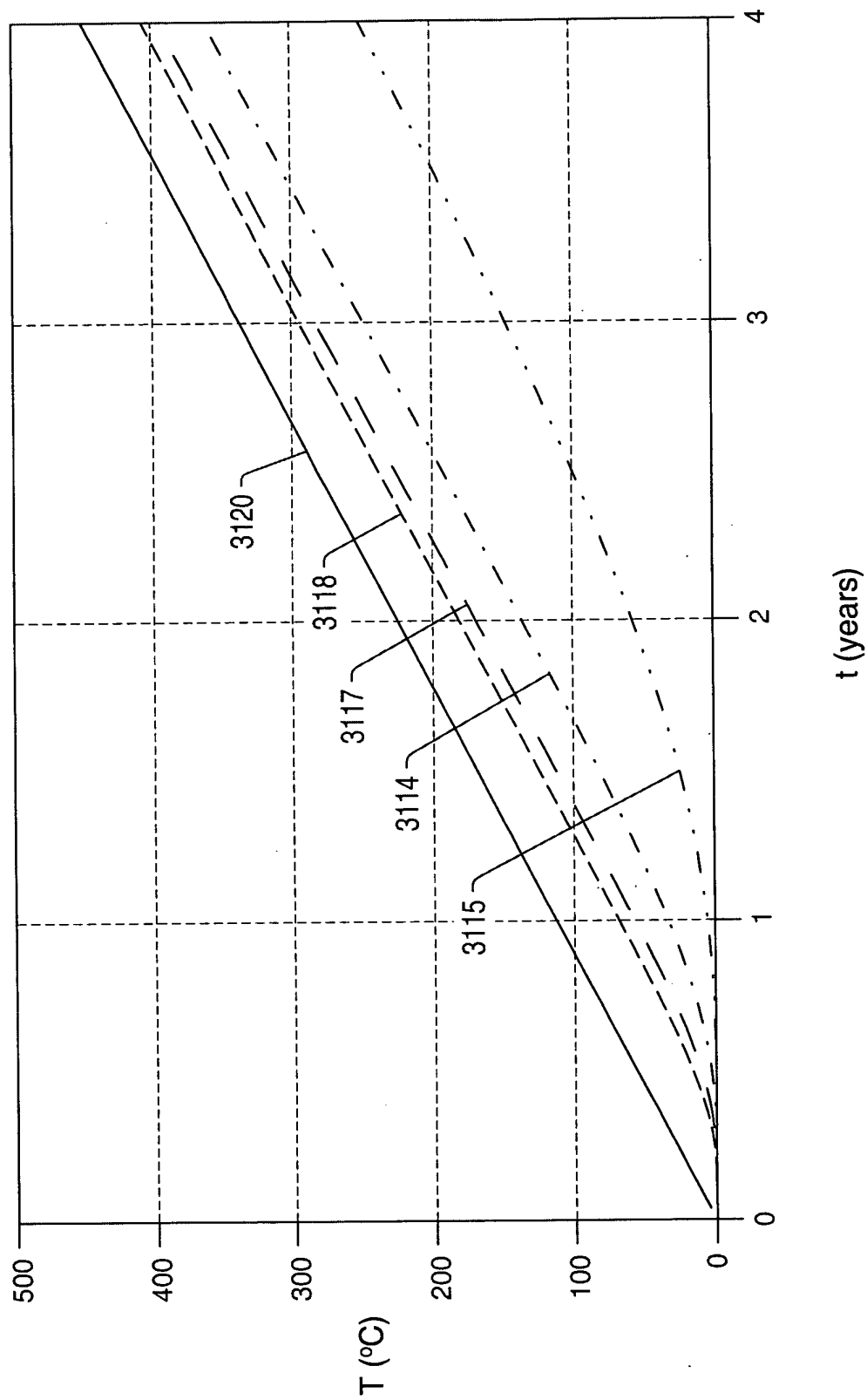


FIG. 80



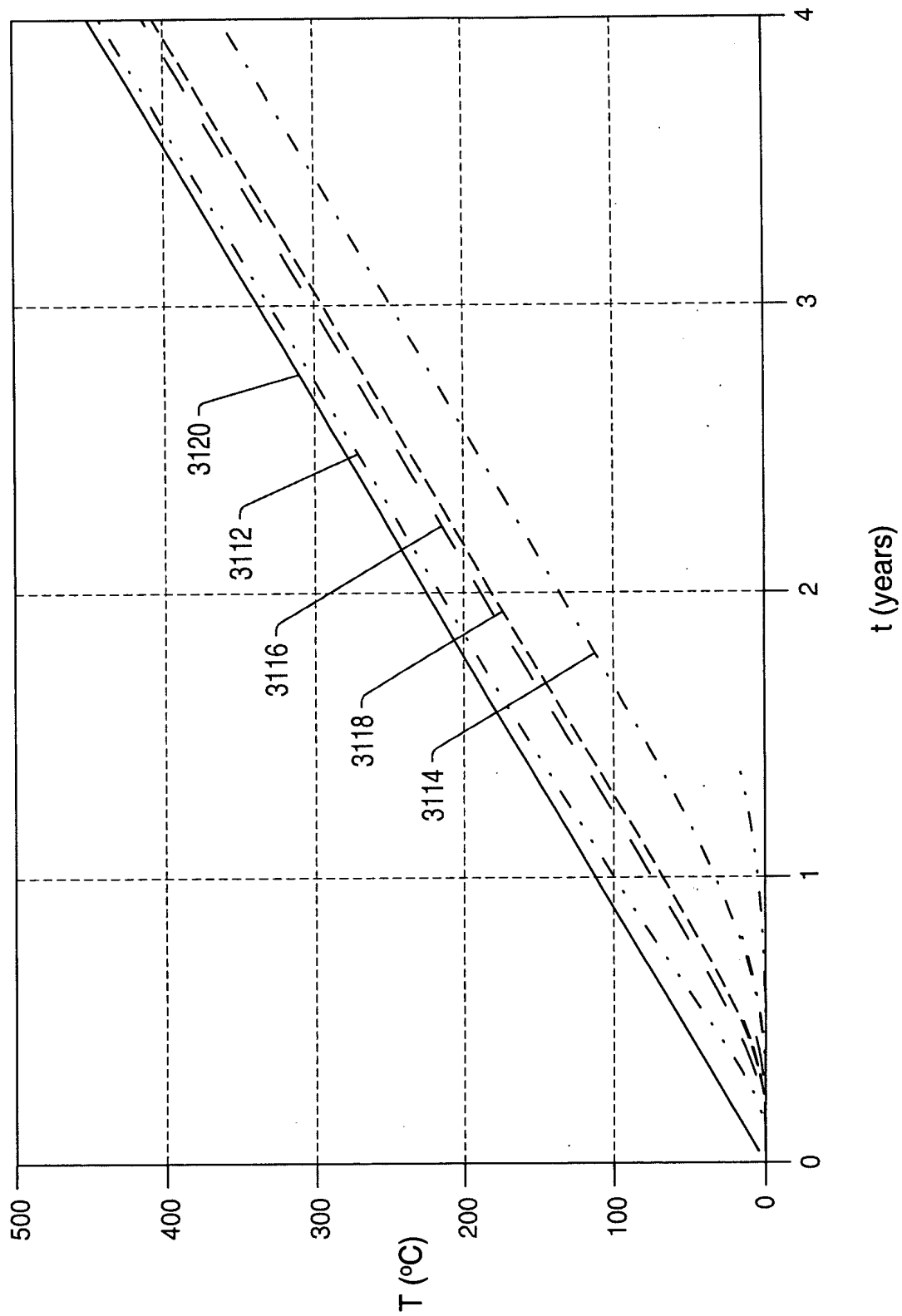


FIG. 81

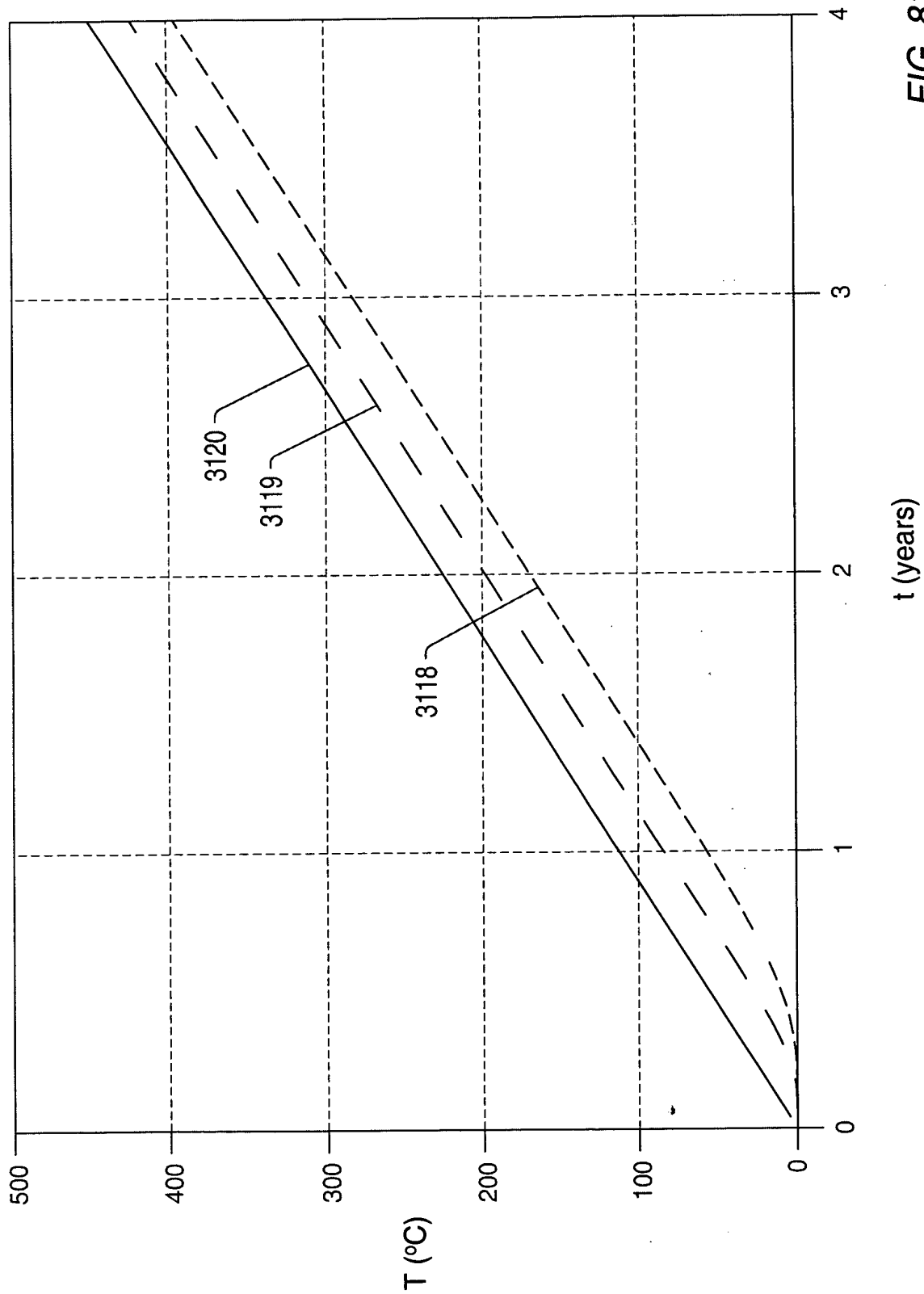


FIG. 81a

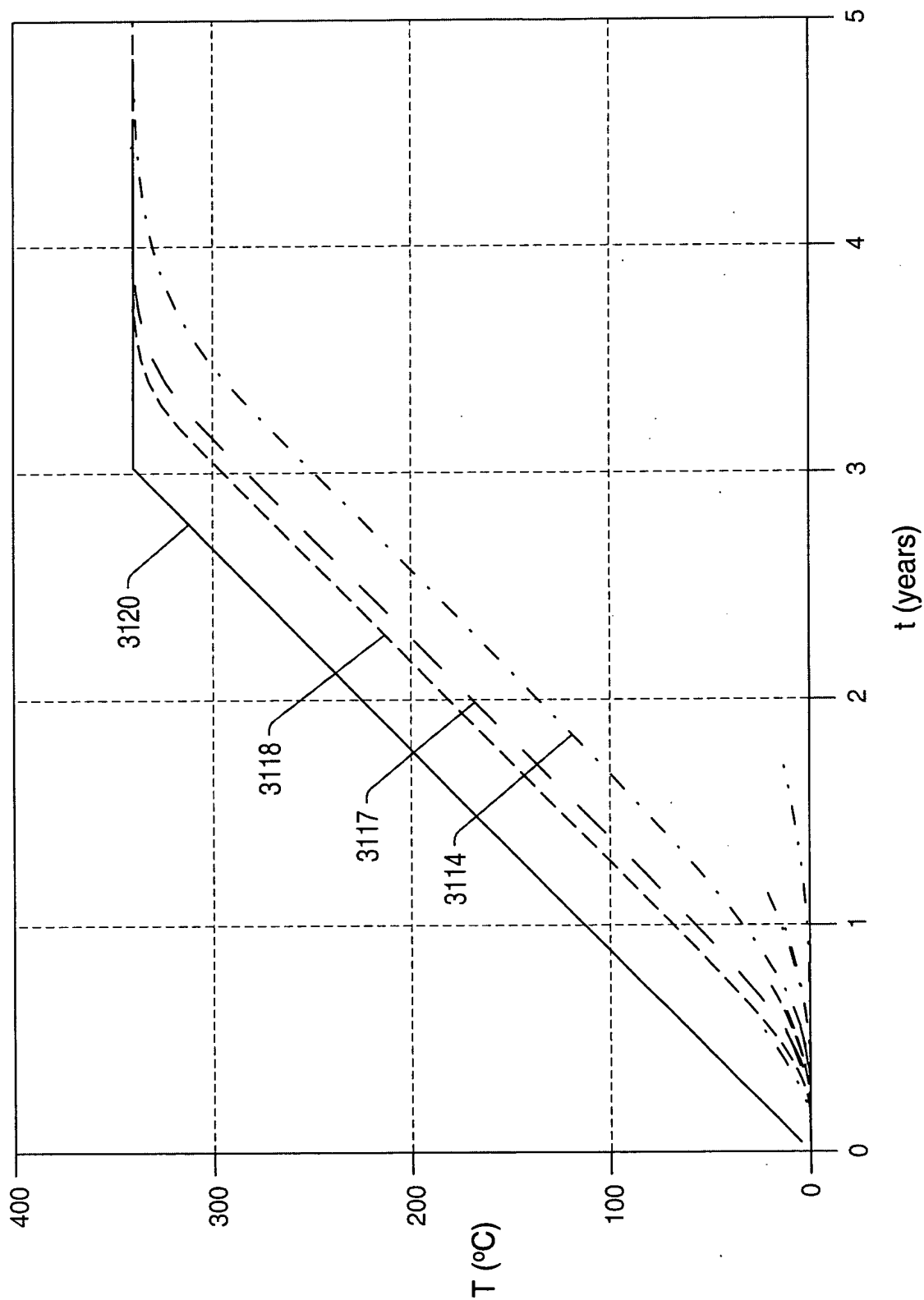


FIG. 81b

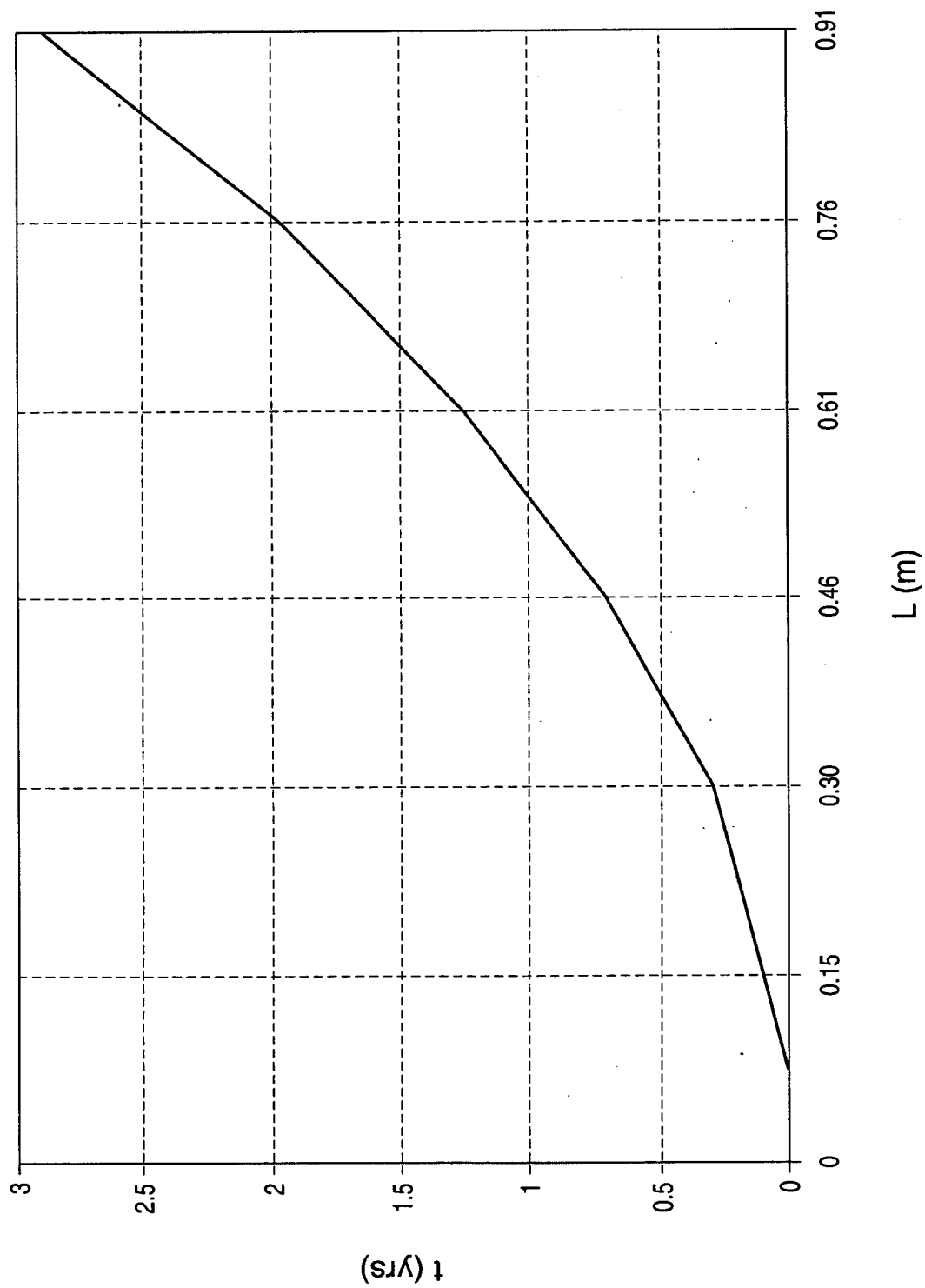


FIG. 82

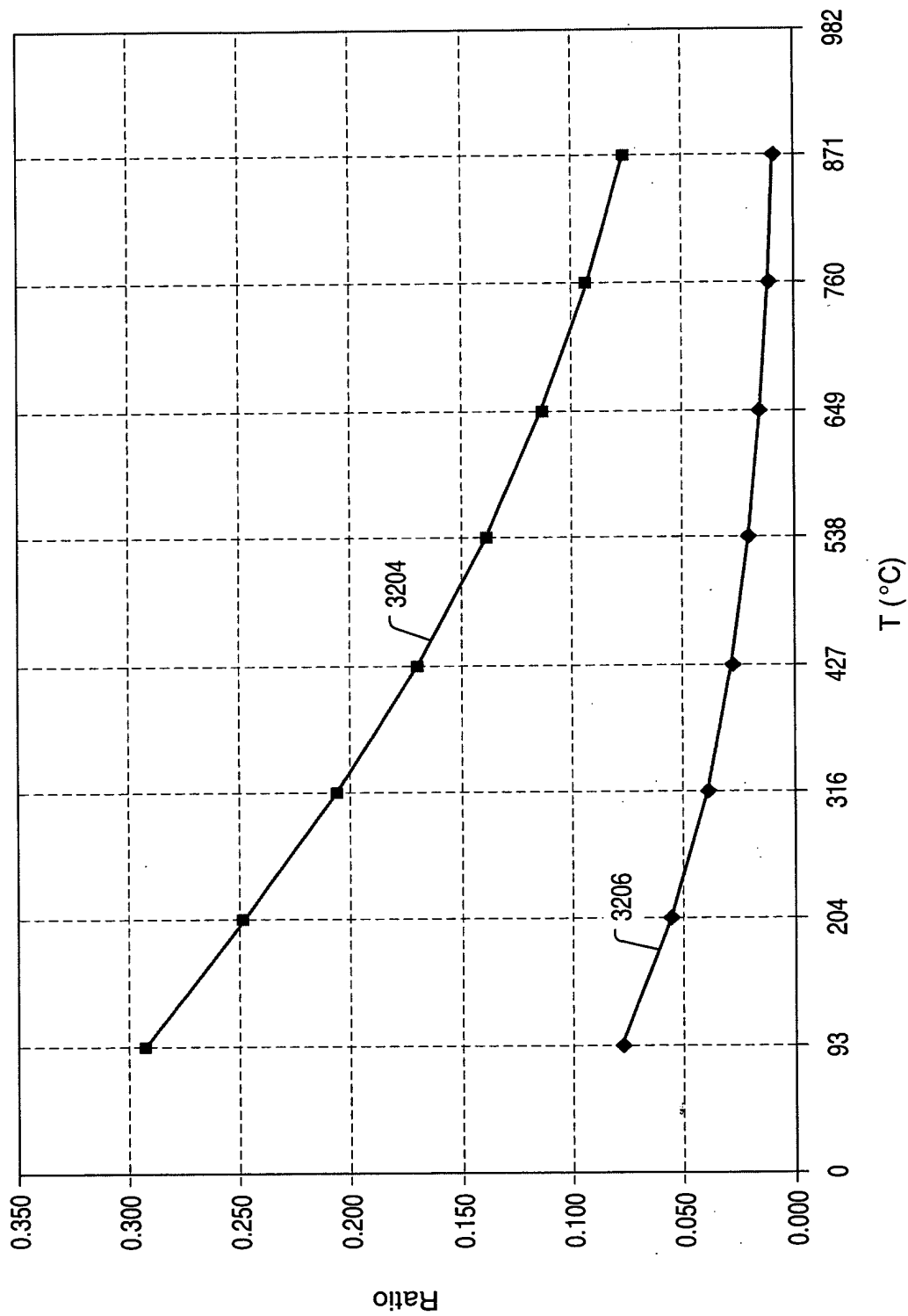


FIG. 83

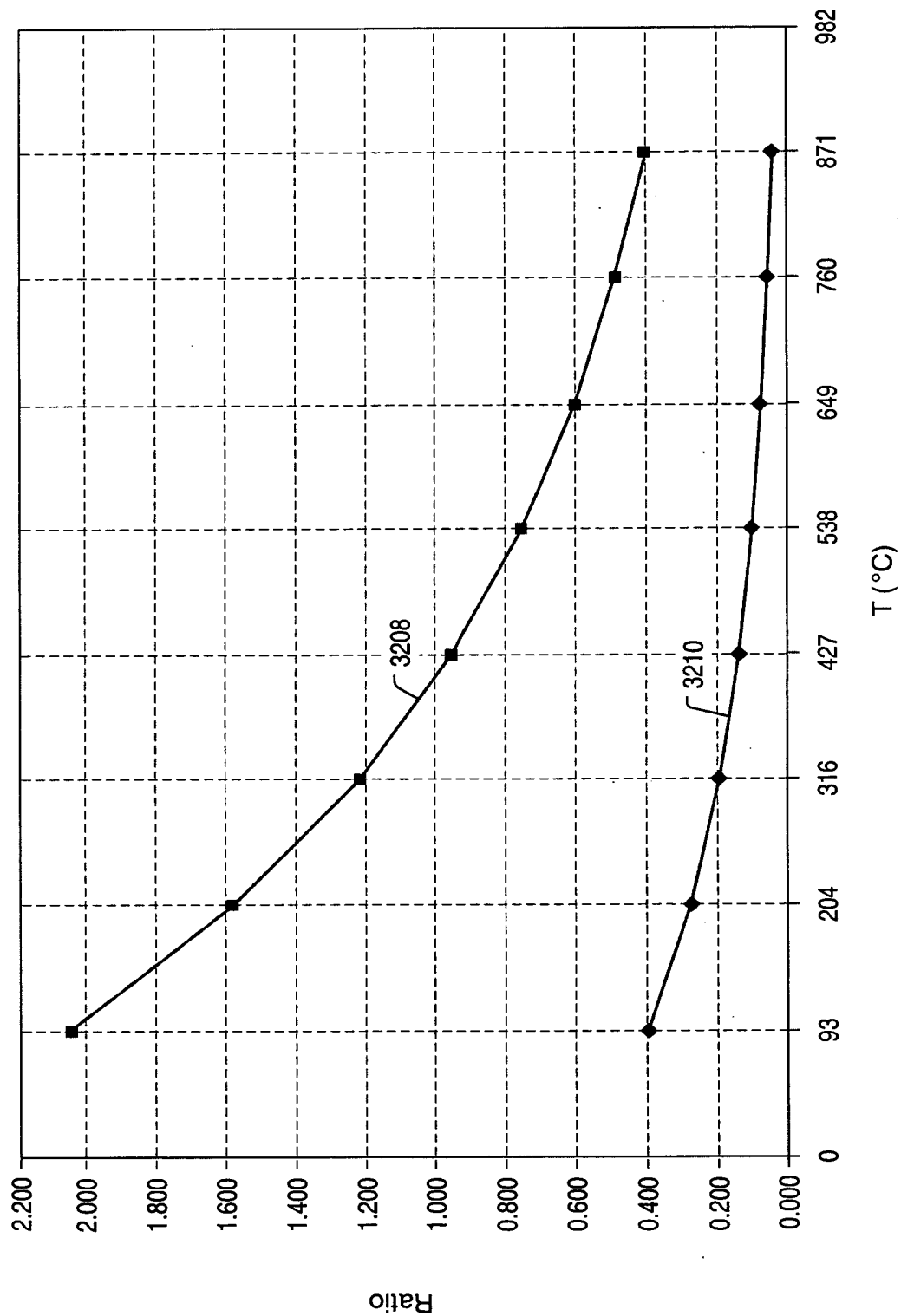


FIG. 84

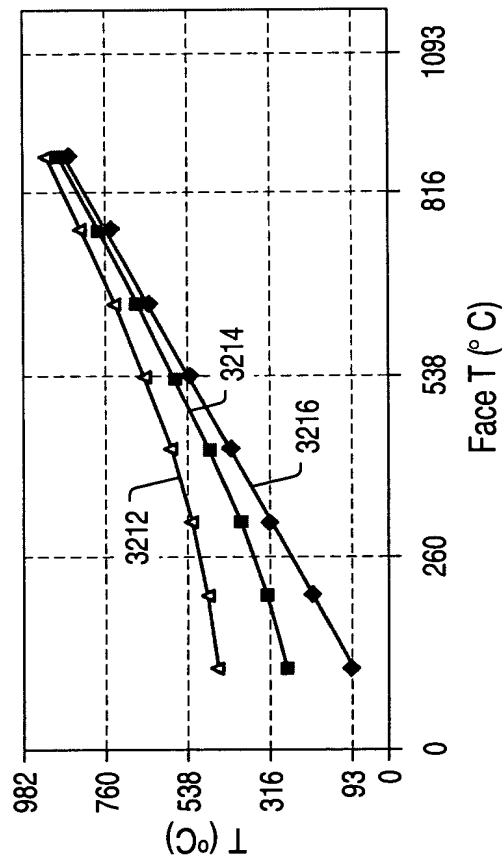


FIG. 85

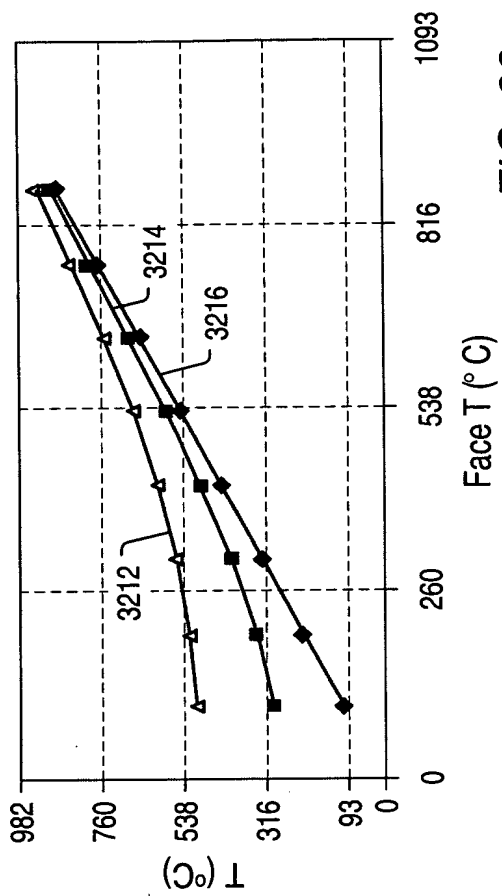


FIG. 86

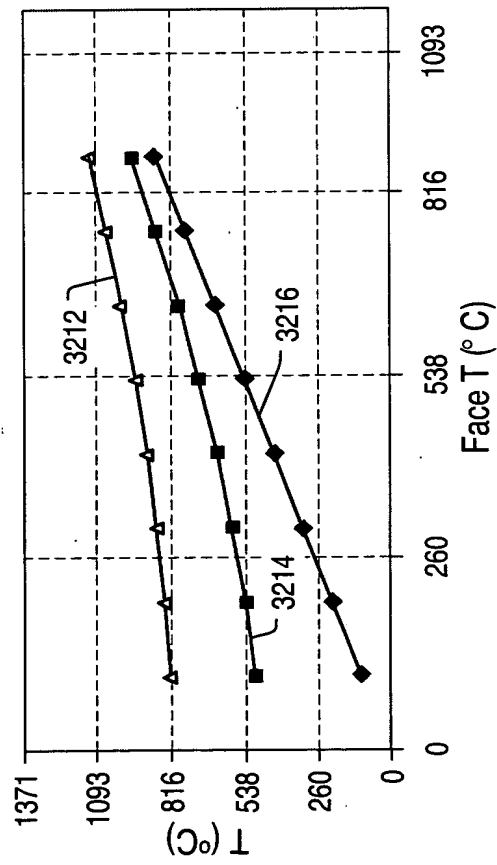


FIG. 87

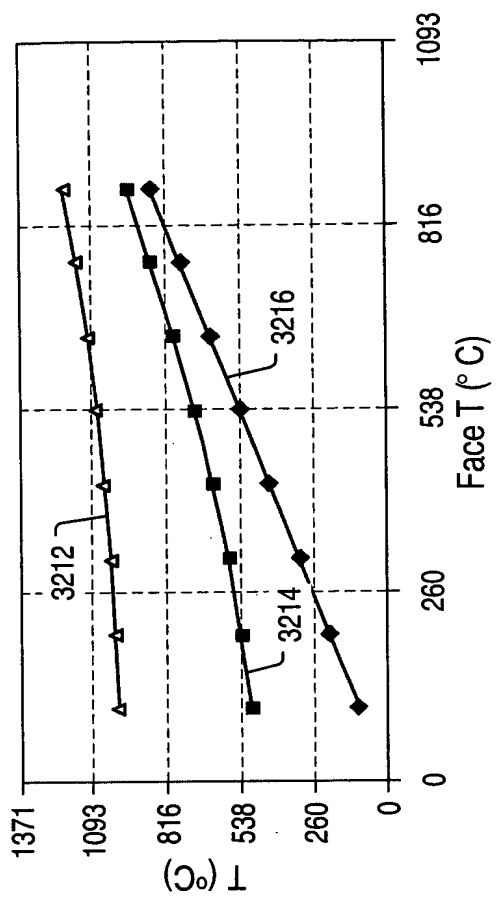


FIG. 88

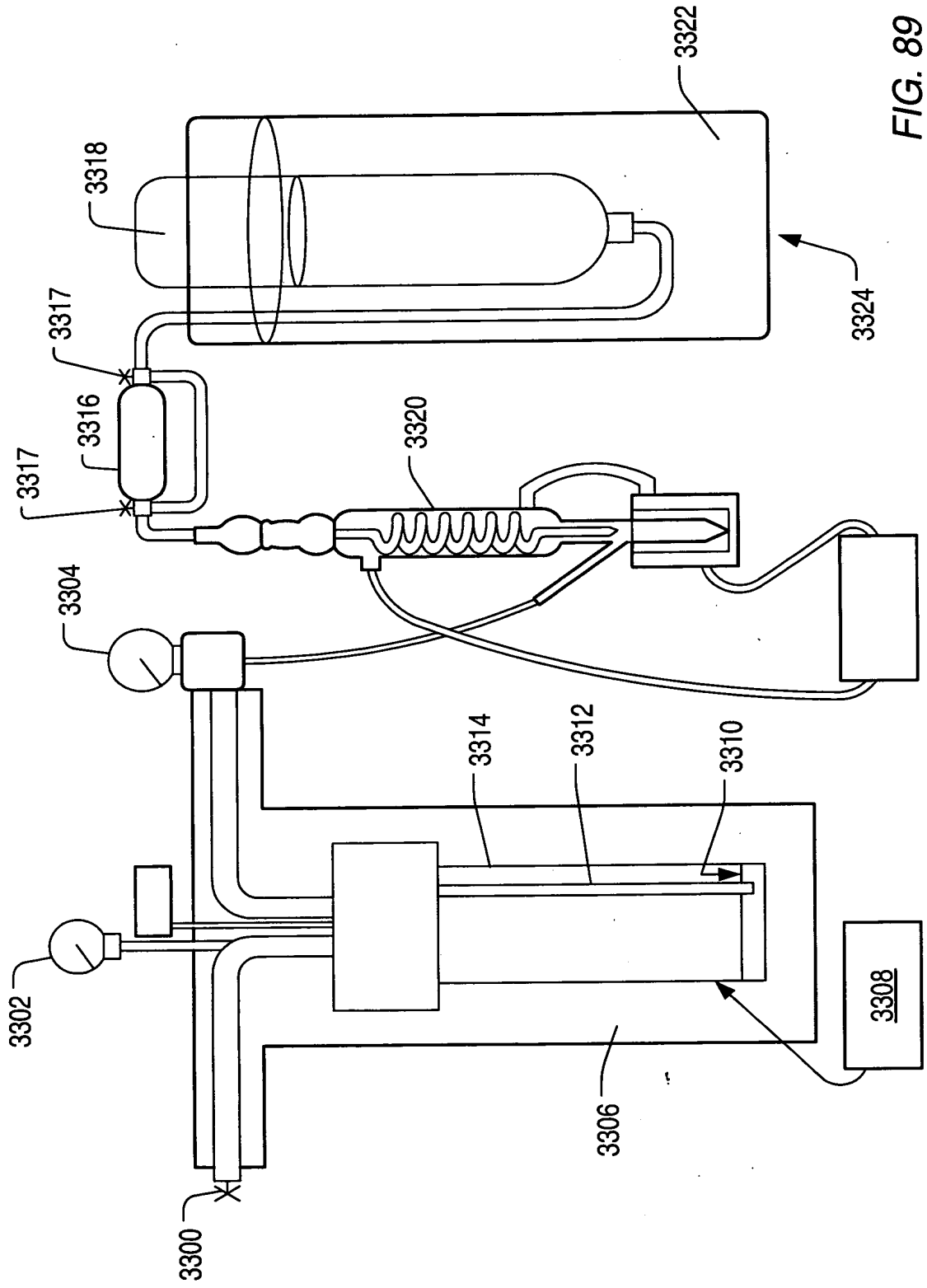


FIG. 89



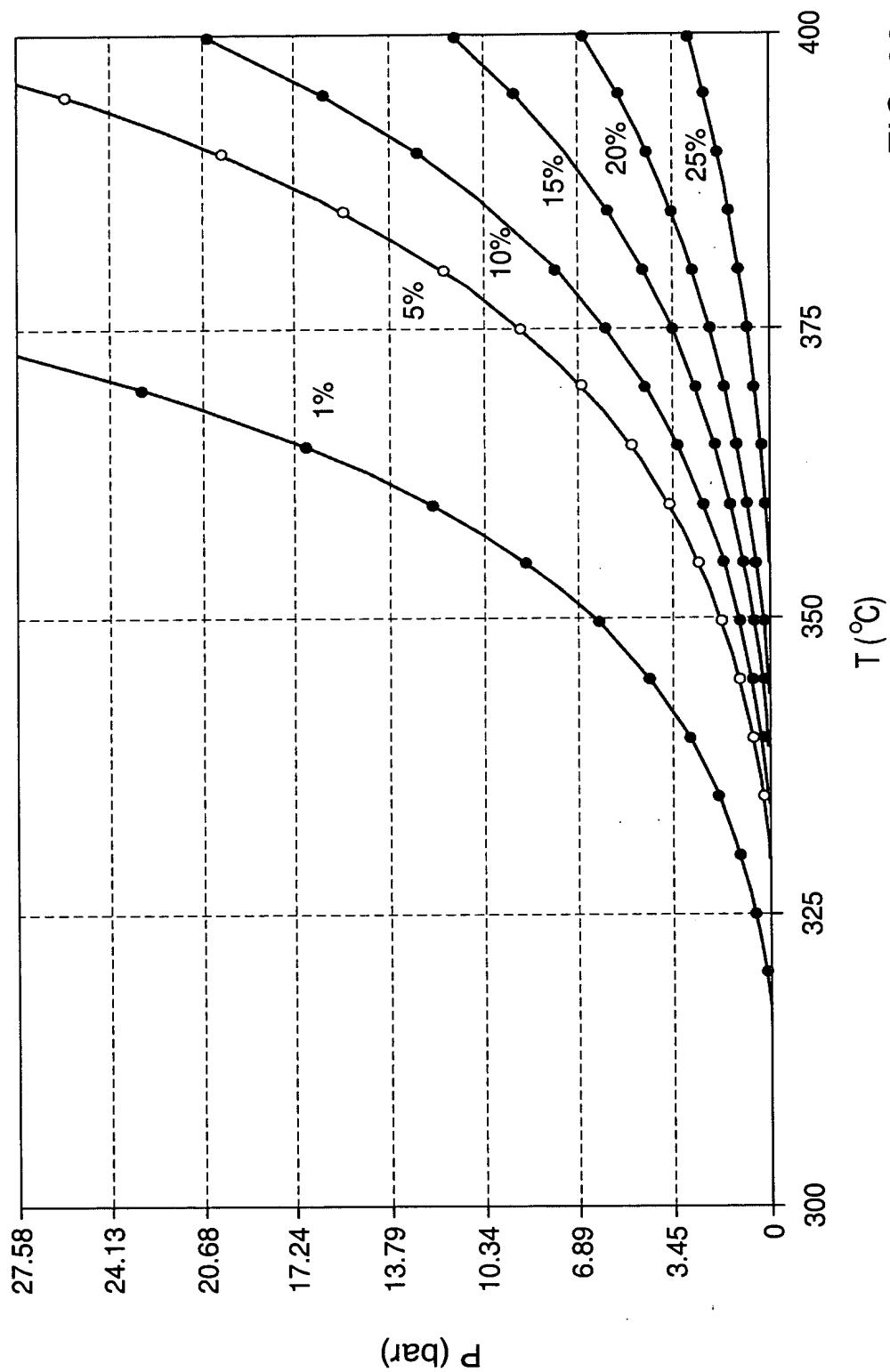


FIG. 90

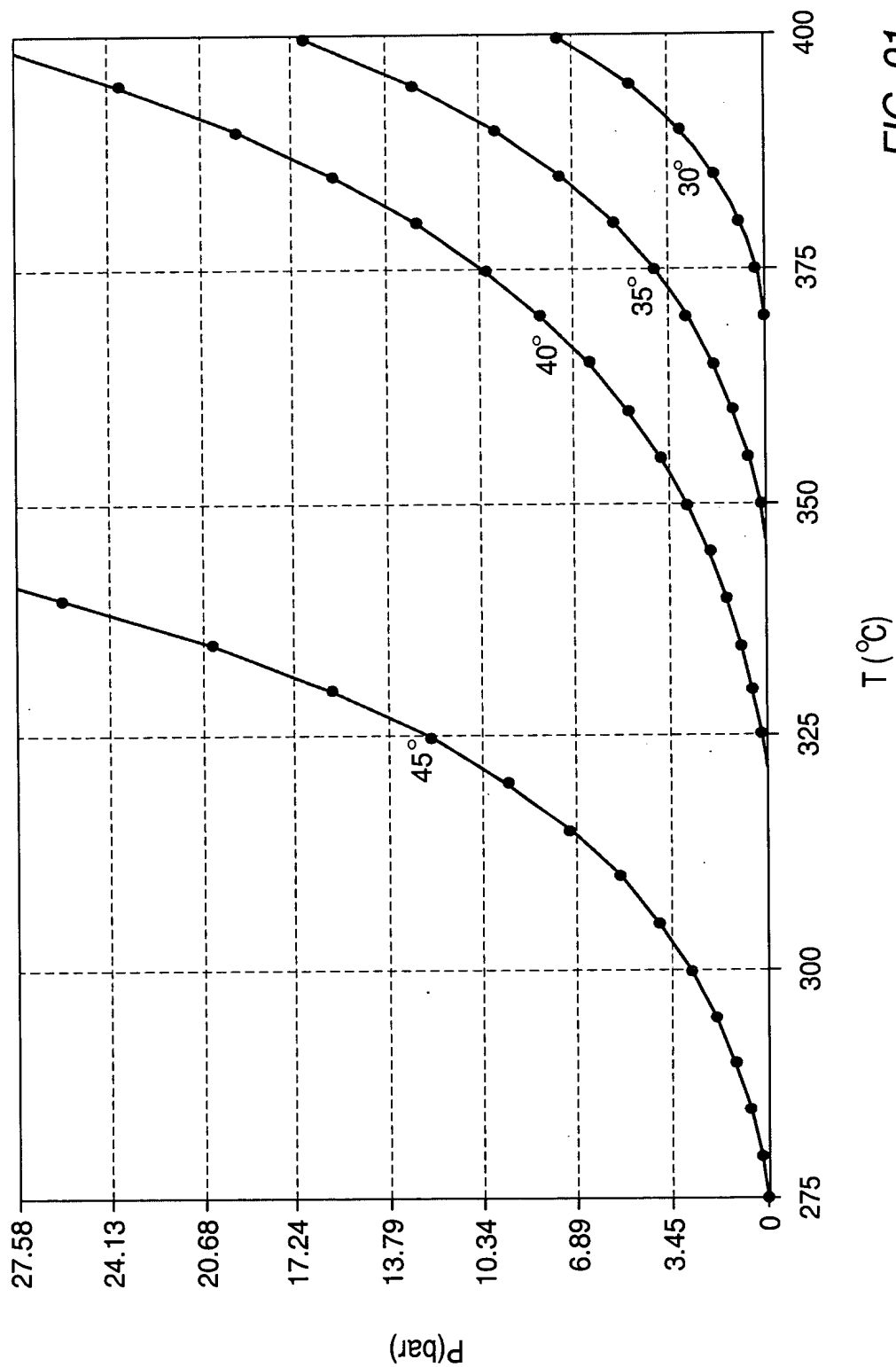


FIG. 91

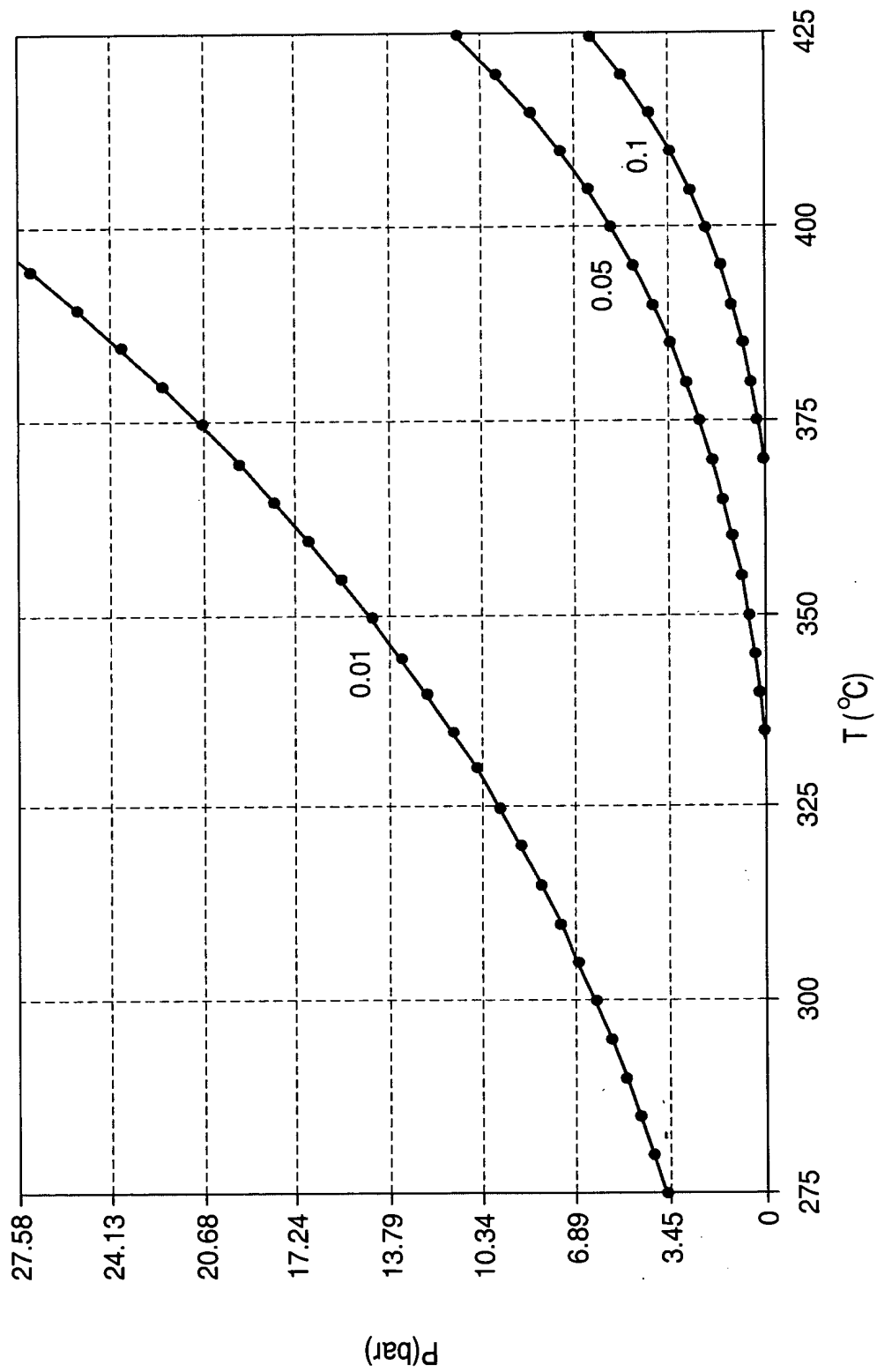


FIG. 92

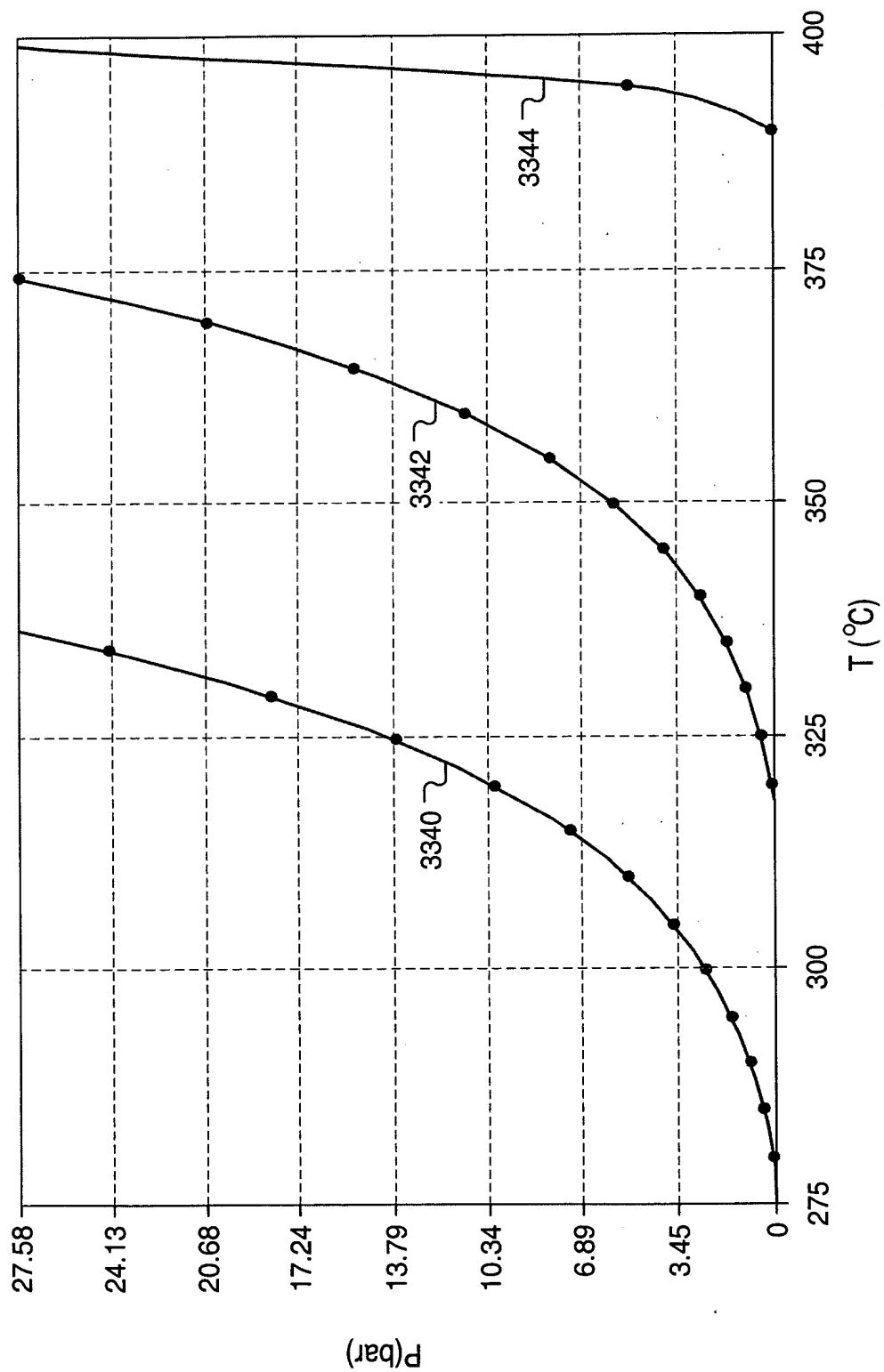


FIG. 93

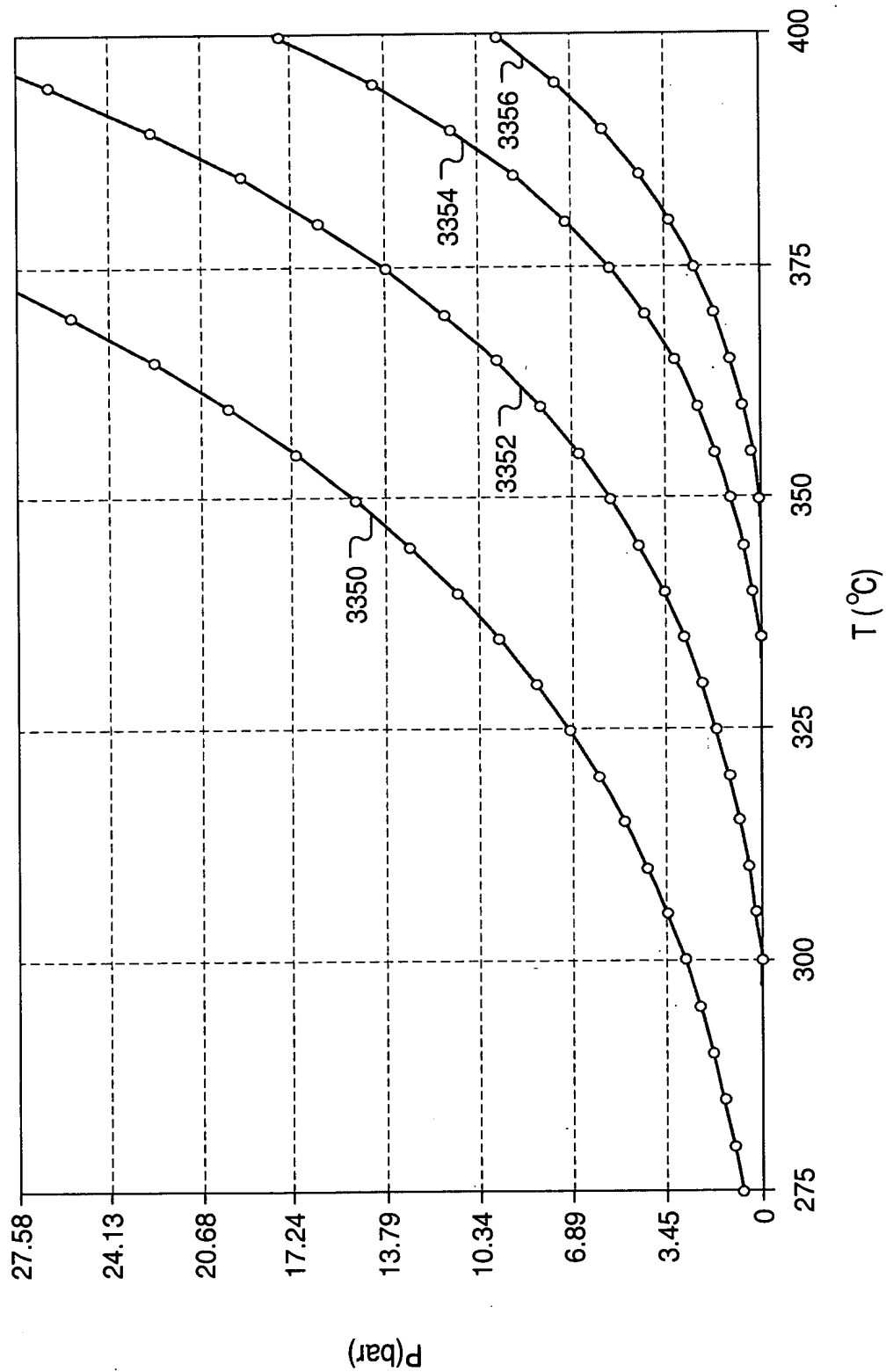


FIG. 94

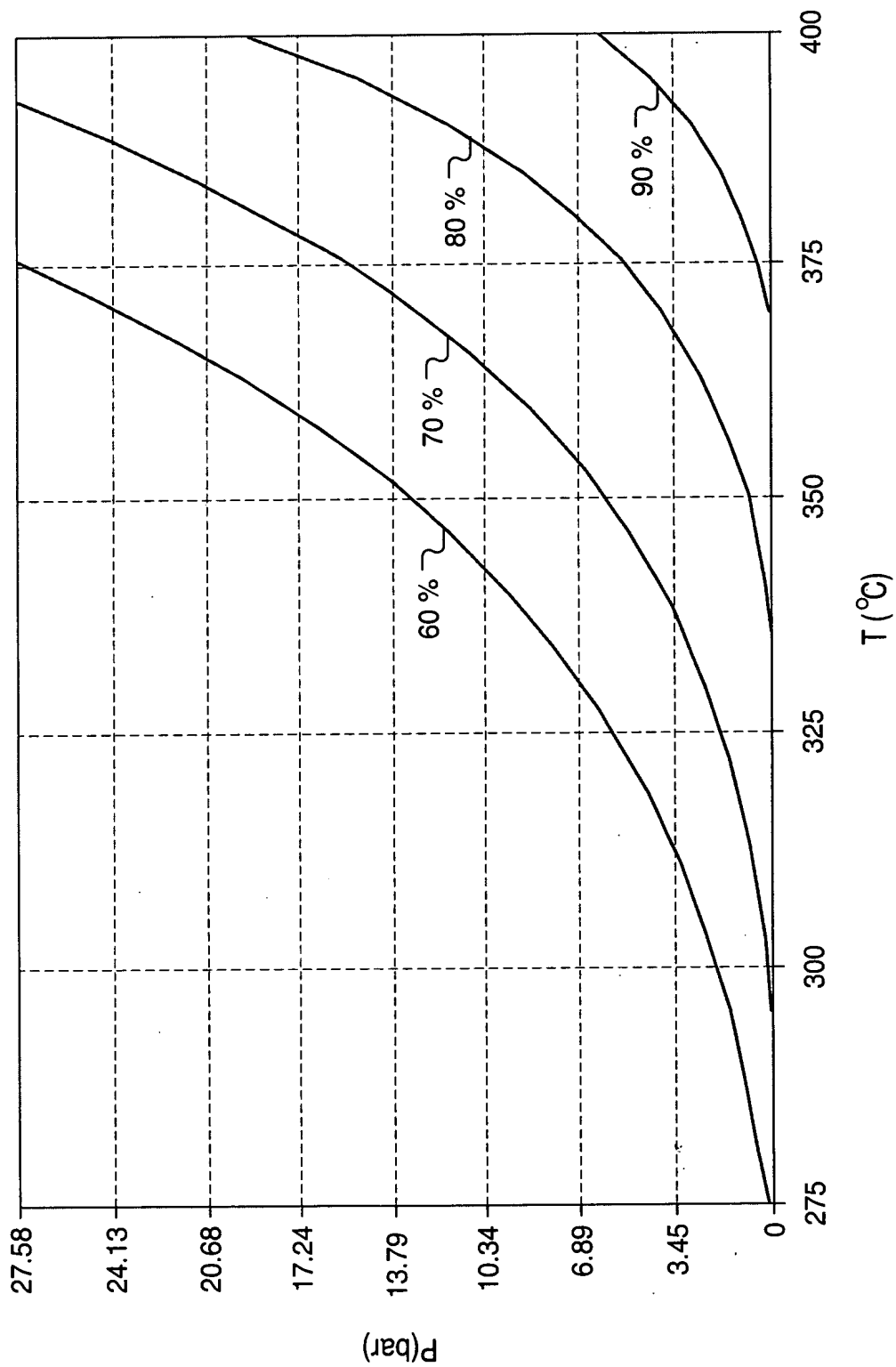


FIG. 95

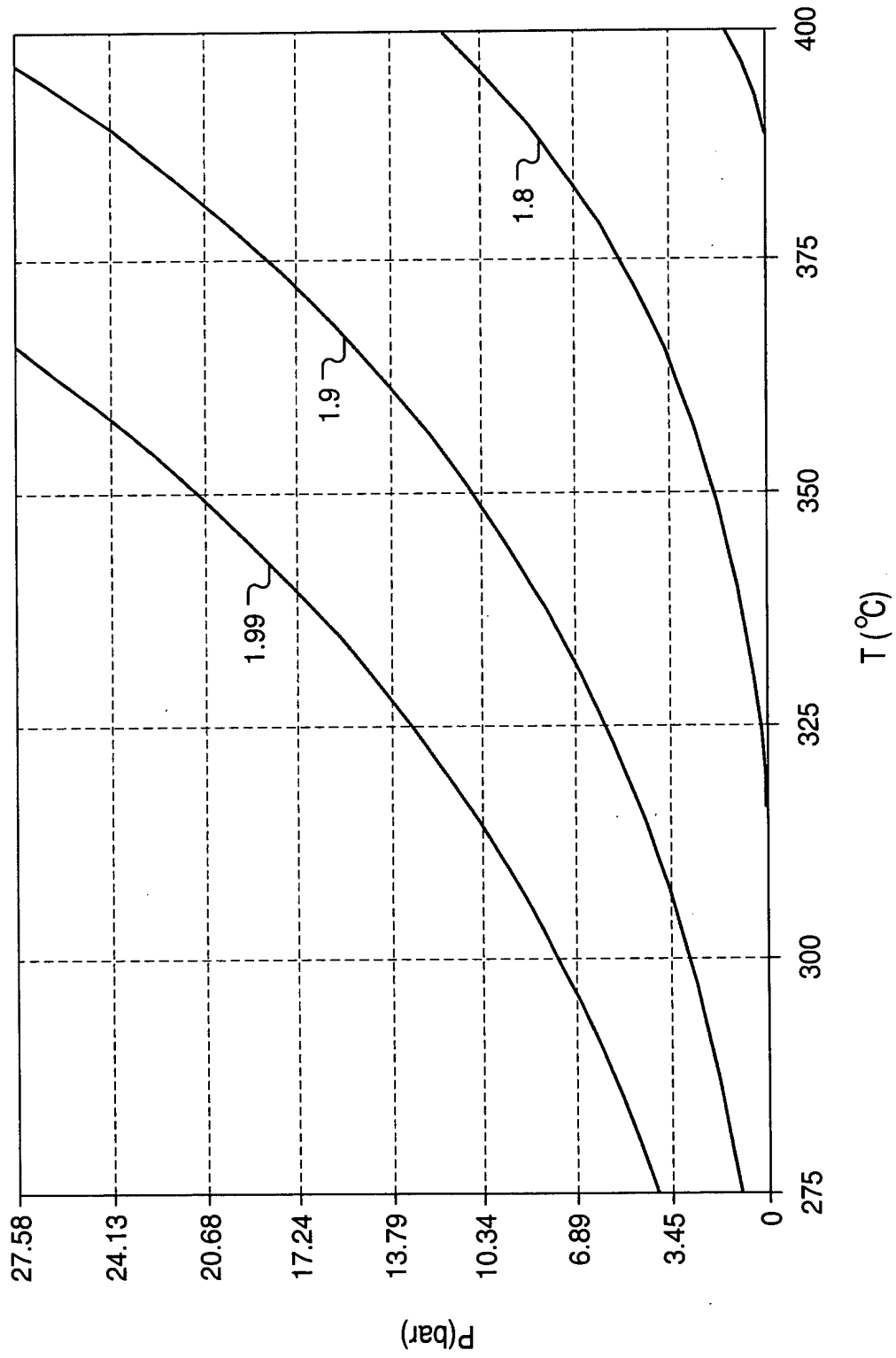


FIG. 96

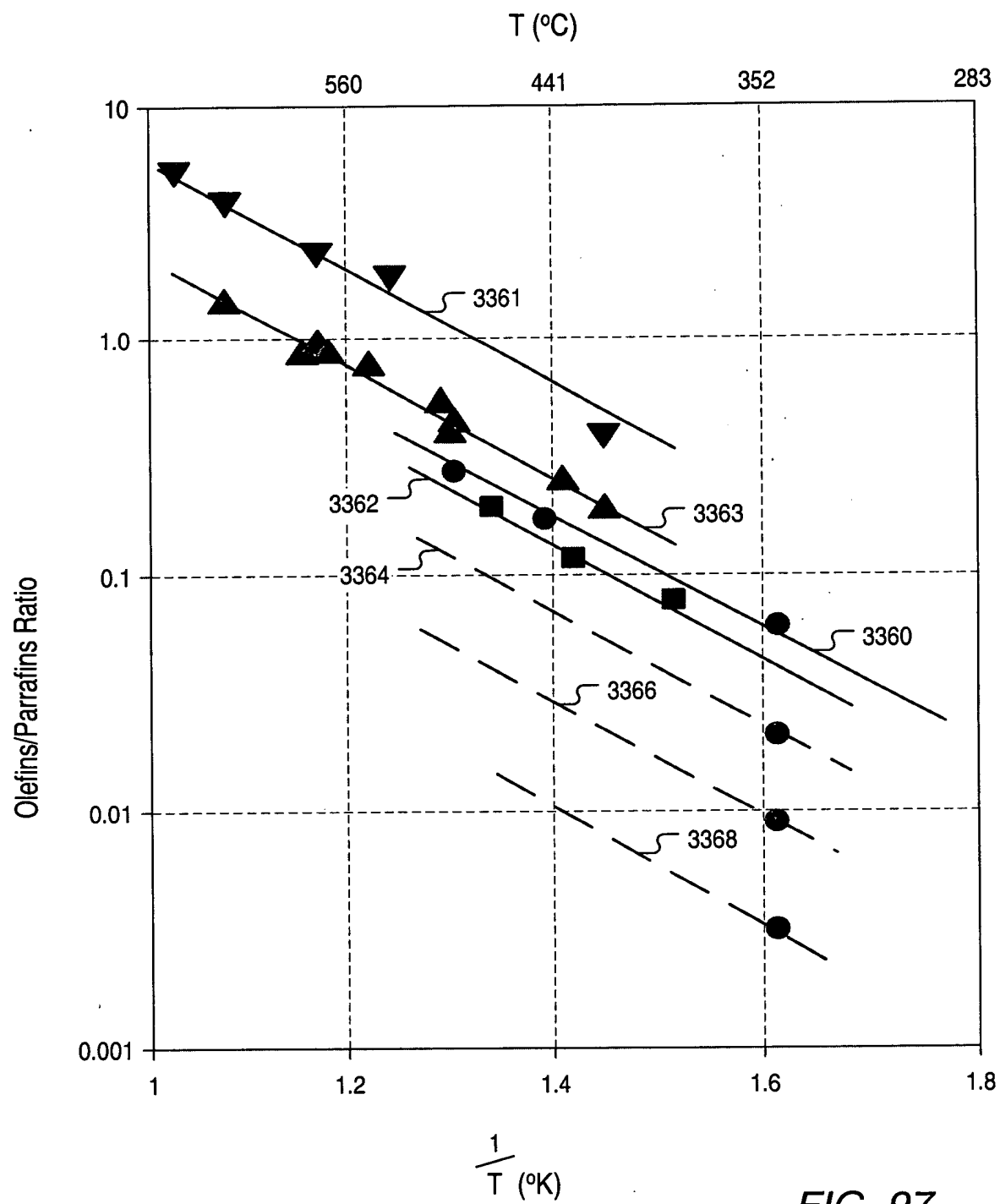


FIG. 97



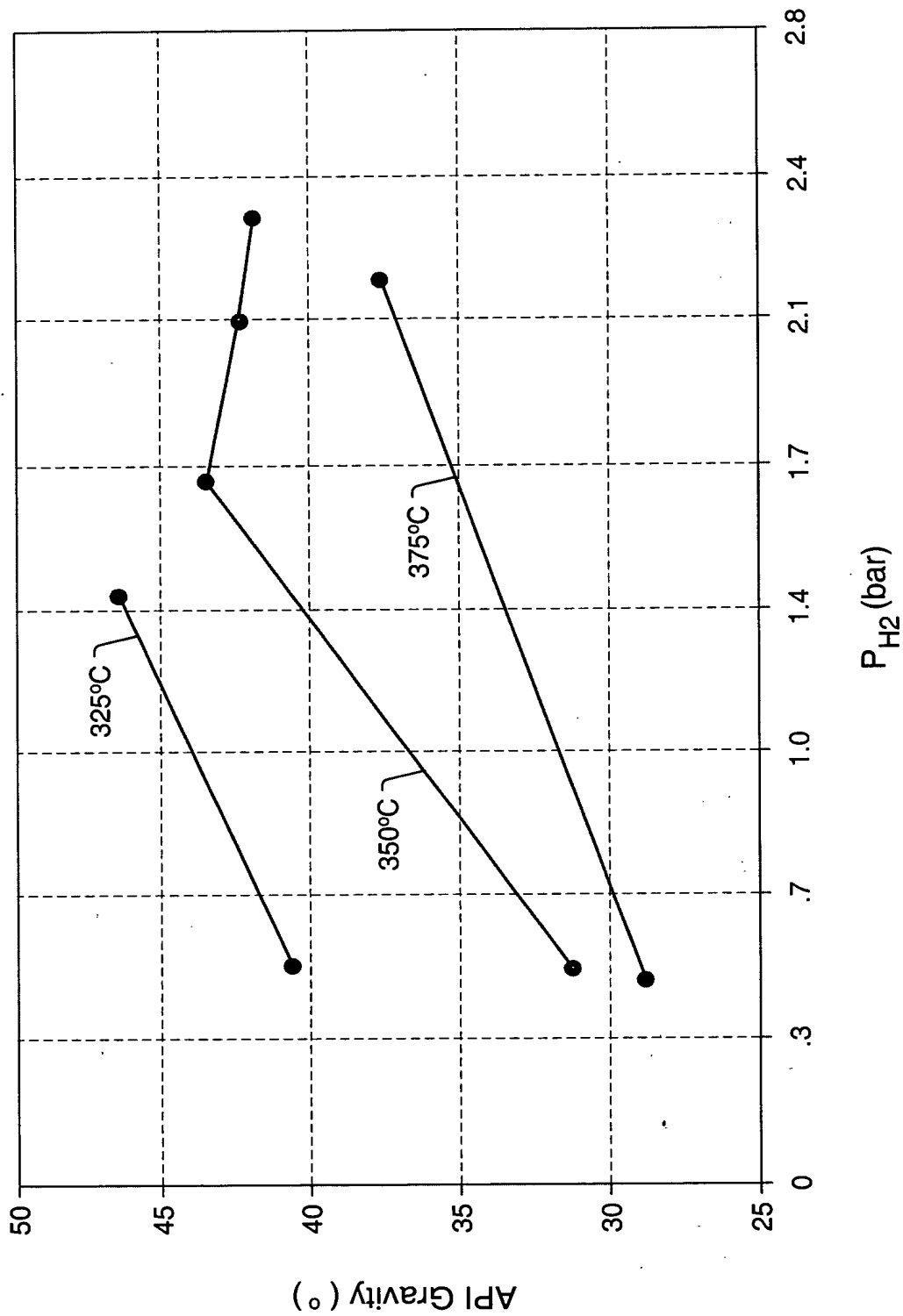


FIG. 98

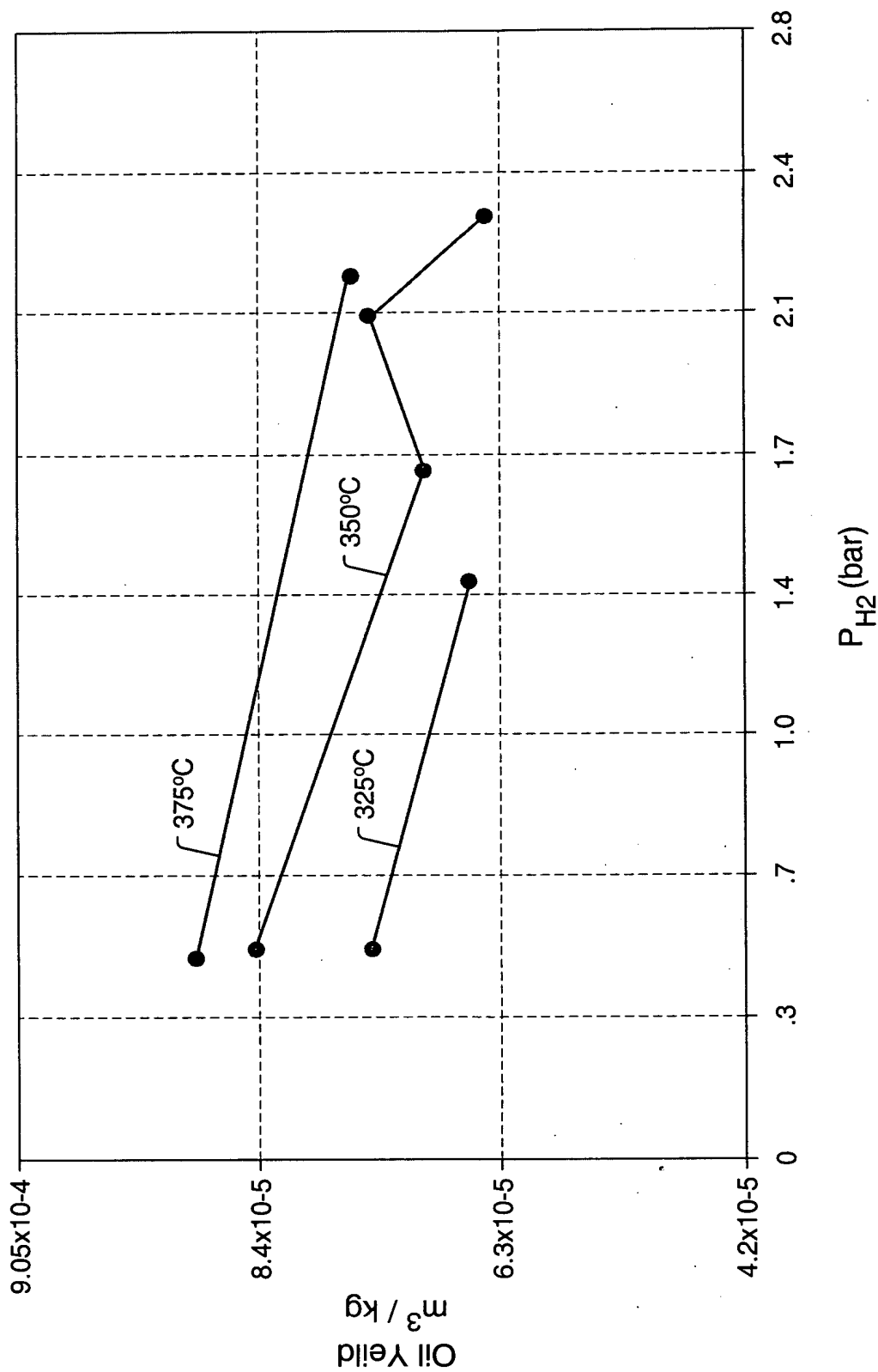


FIG. 99

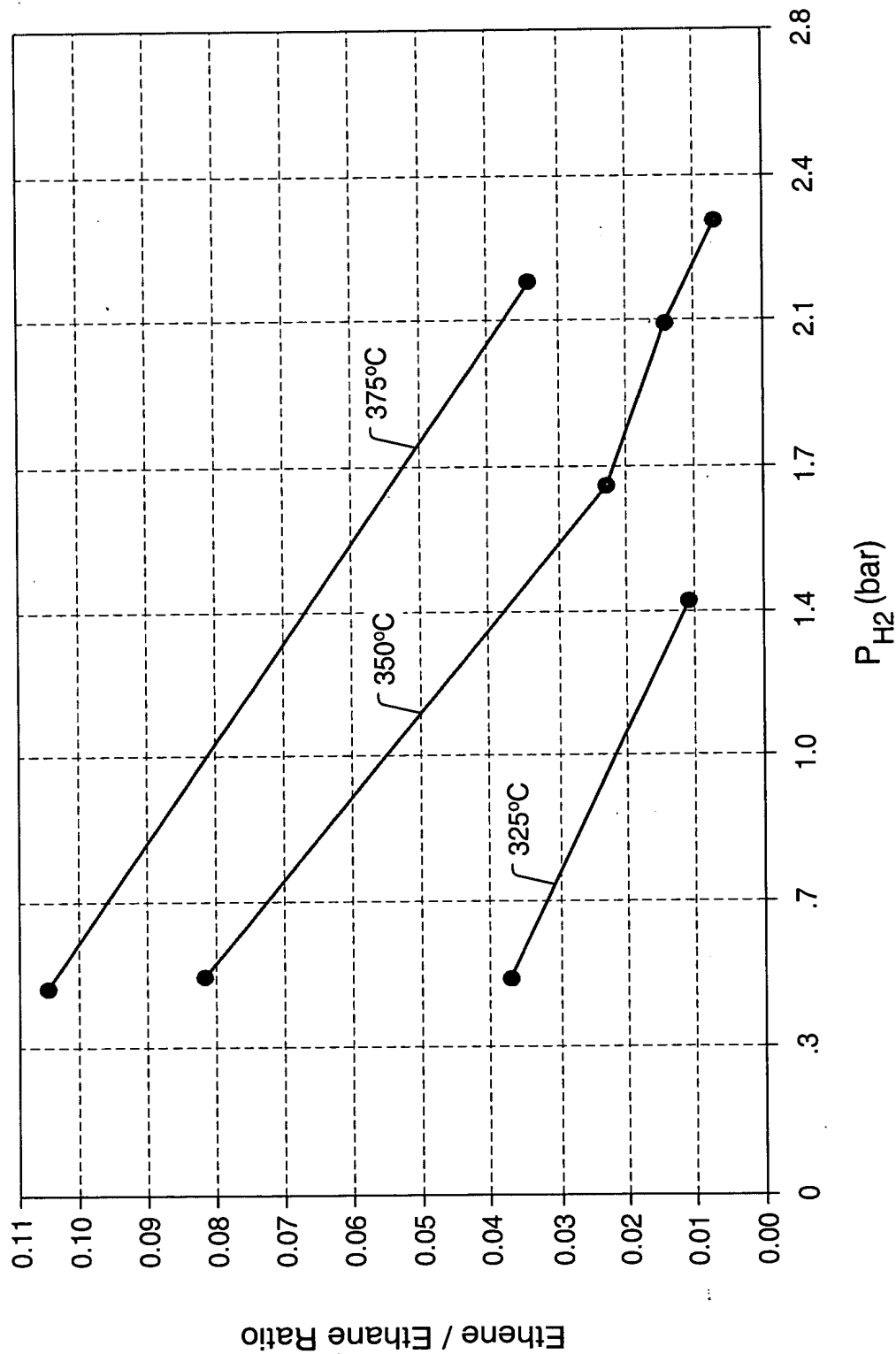


FIG. 100

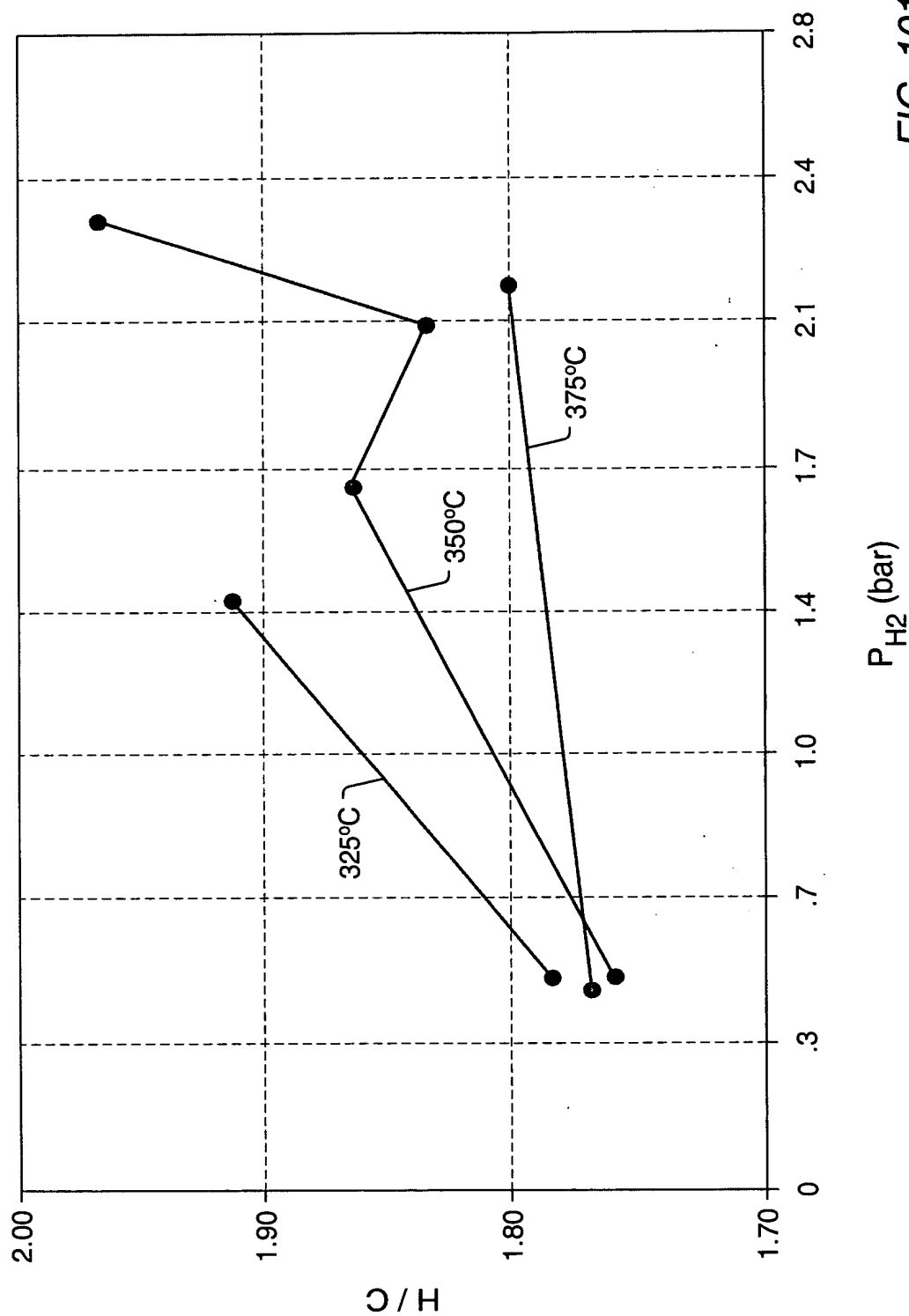


FIG. 101

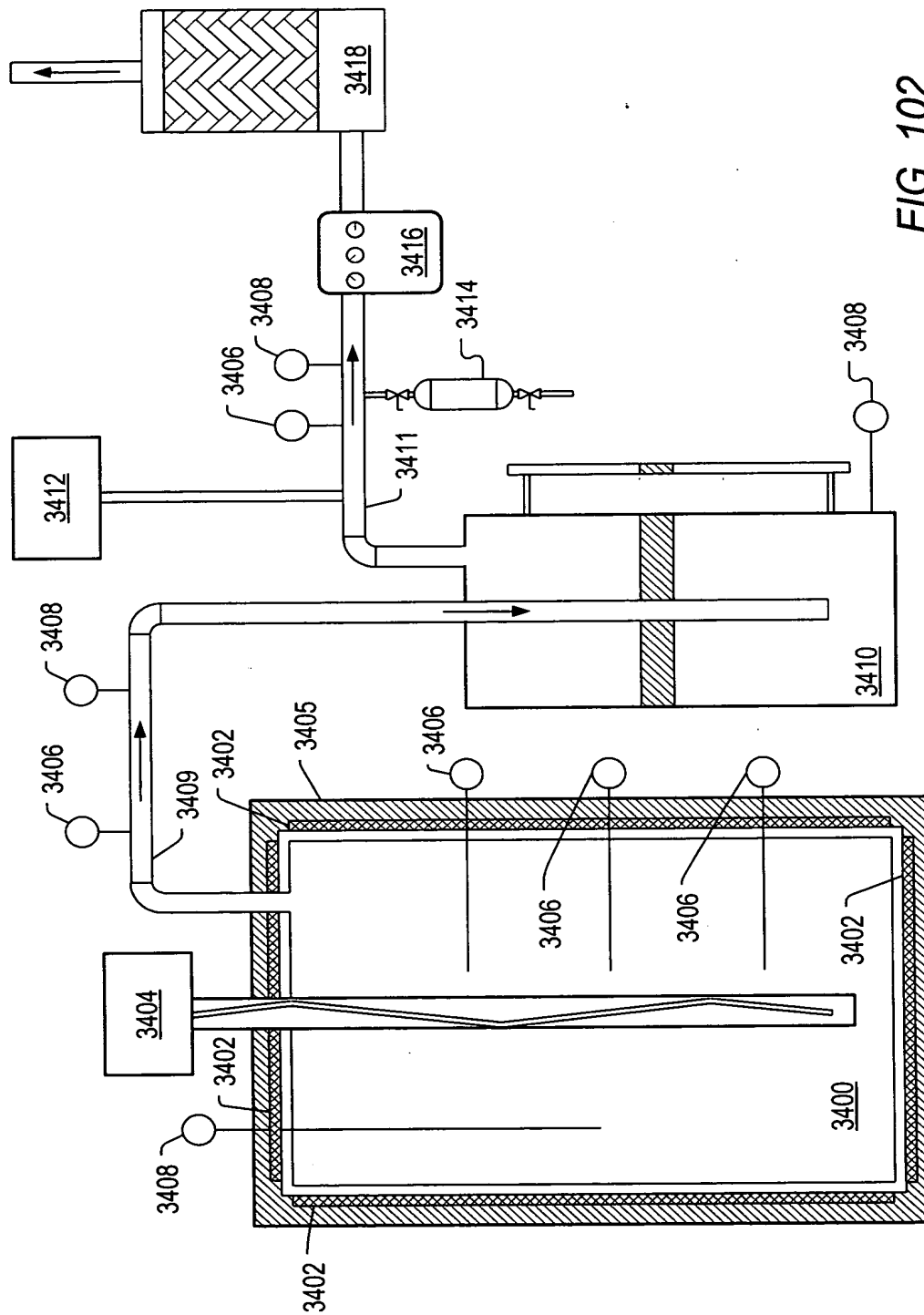


FIG. 102

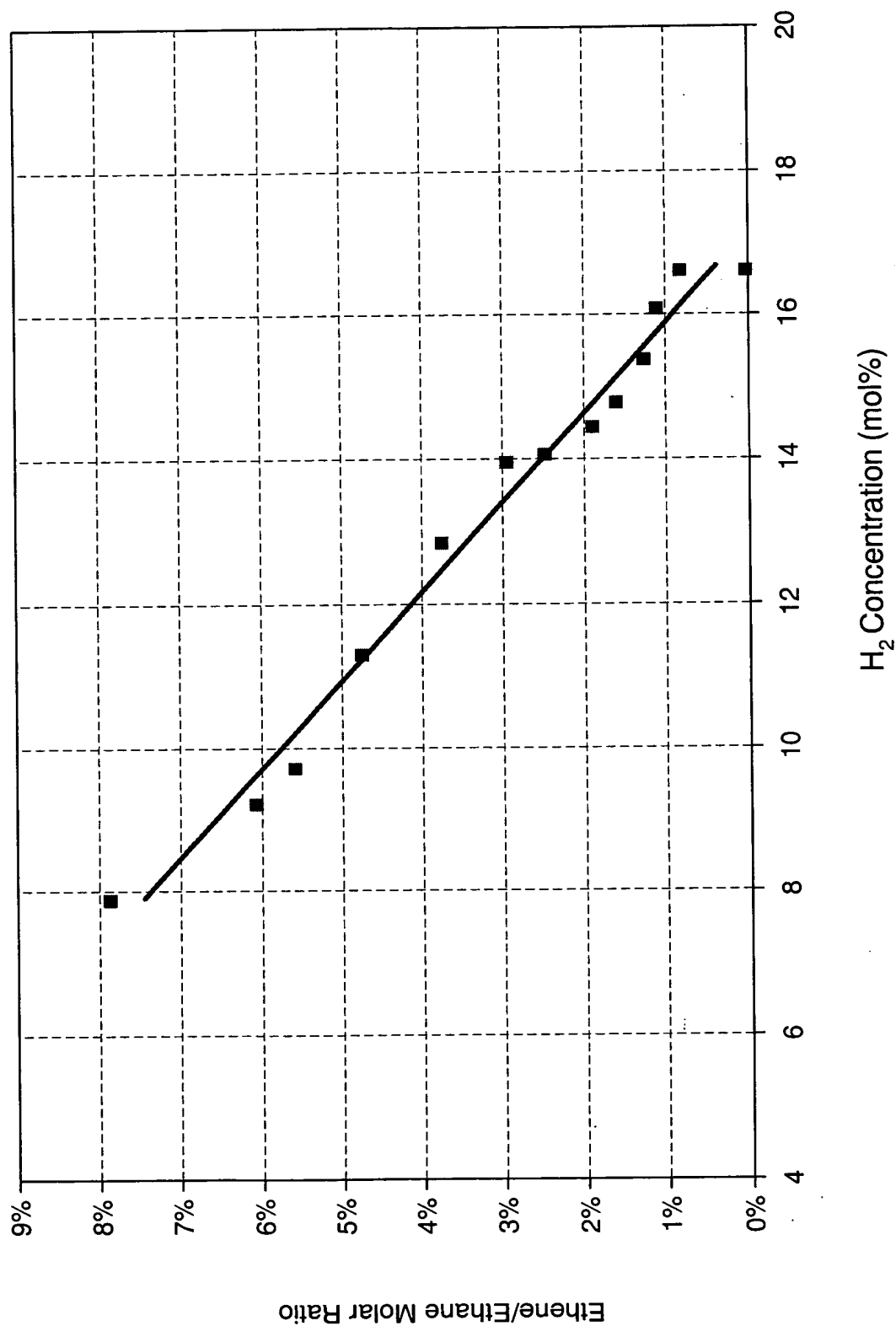
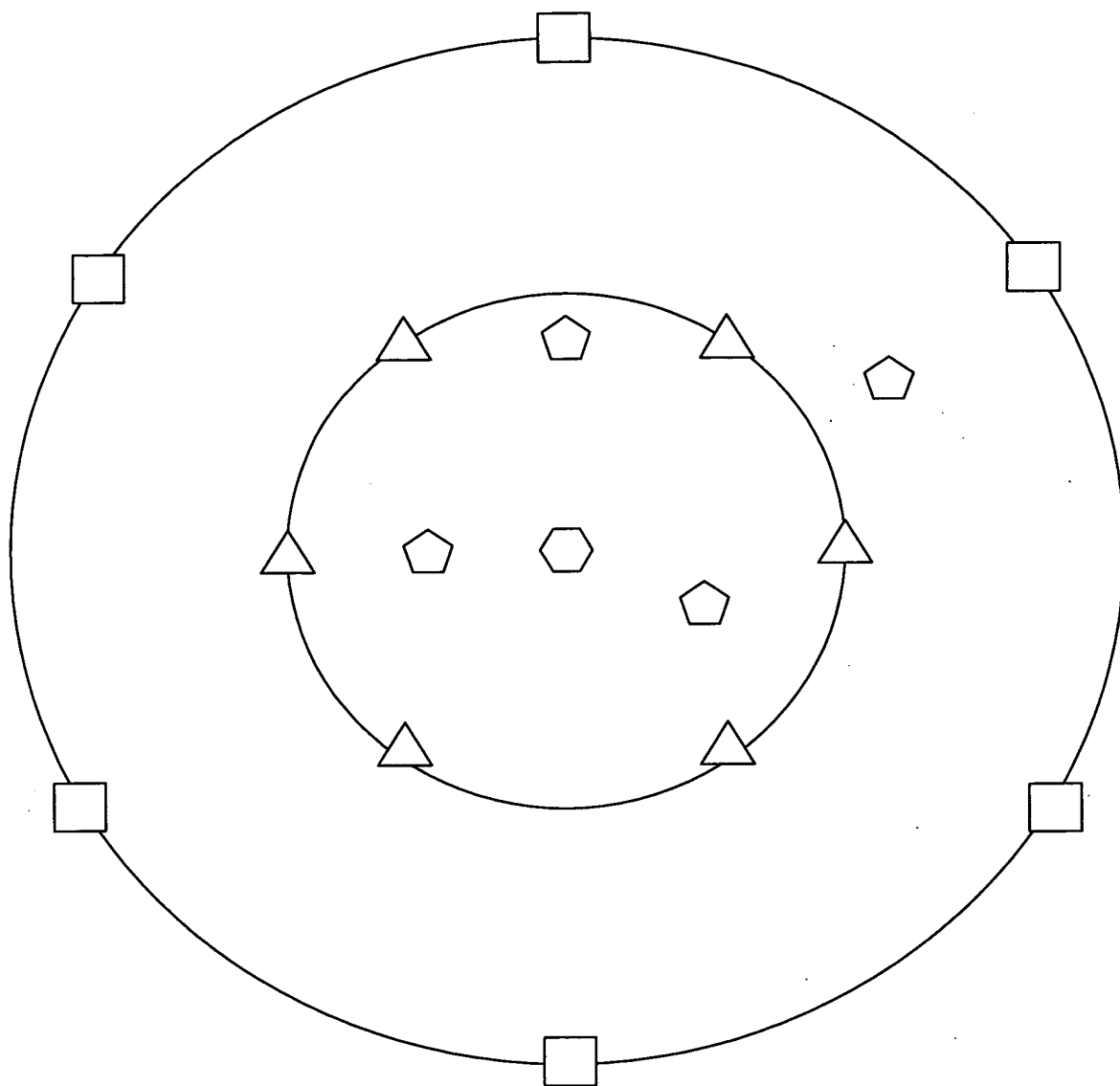


FIG. 103

FIG. 104



△ - 3600

◡ - 3603

□ - 3604

◡ - 3602

FIG. 104

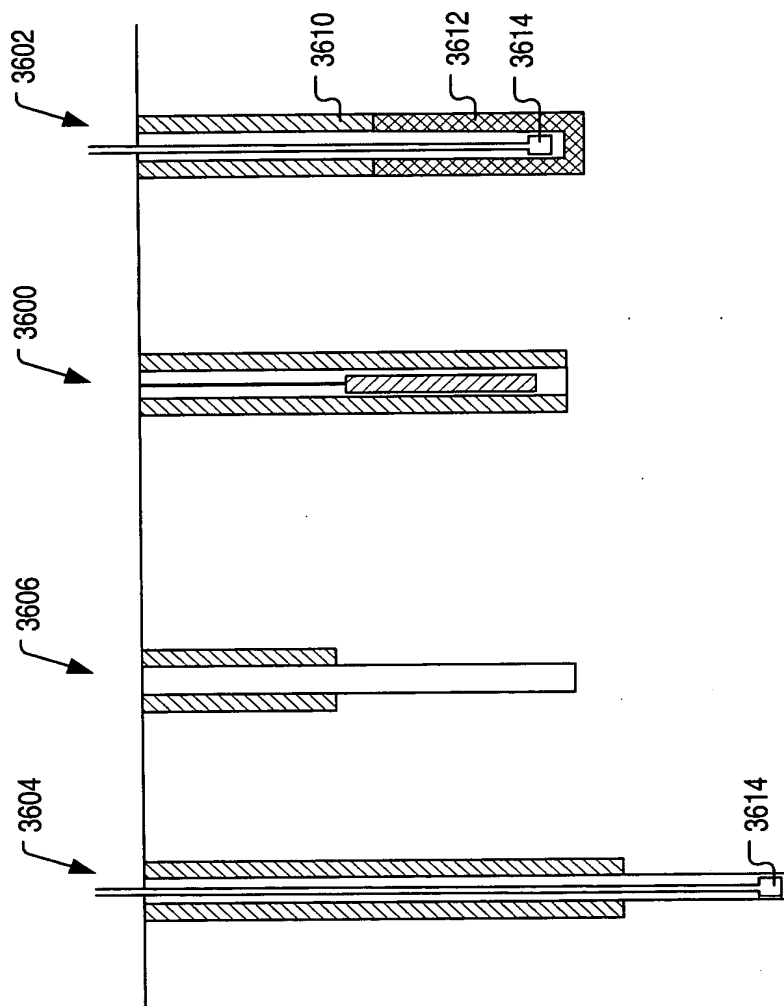


FIG. 105



Figure 10 is a line graph showing the temperature  $T$  (°C) on the y-axis versus time (days) on the x-axis. The y-axis ranges from 0 to 538 °C with major ticks every 58 units. The x-axis ranges from 0 to 350 days with major ticks every 50 units. Two data series are plotted: one using open squares and another using open diamonds. Both series show a rapid decrease in temperature from approximately 482 °C at day 0 to about 316 °C at day 100. After day 100, the temperature decreases more slowly, with the diamond series generally maintaining slightly higher temperatures than the square series. Both series reach approximately 38 °C by day 350.

Time (days)	$T$ (°C) (Squares)	$T$ (°C) (Diamonds)
0	482	482
50	427	427
100	316	316
150	316	316
200	316	316
250	316	316
300	316	316
350	38	38

time (days)

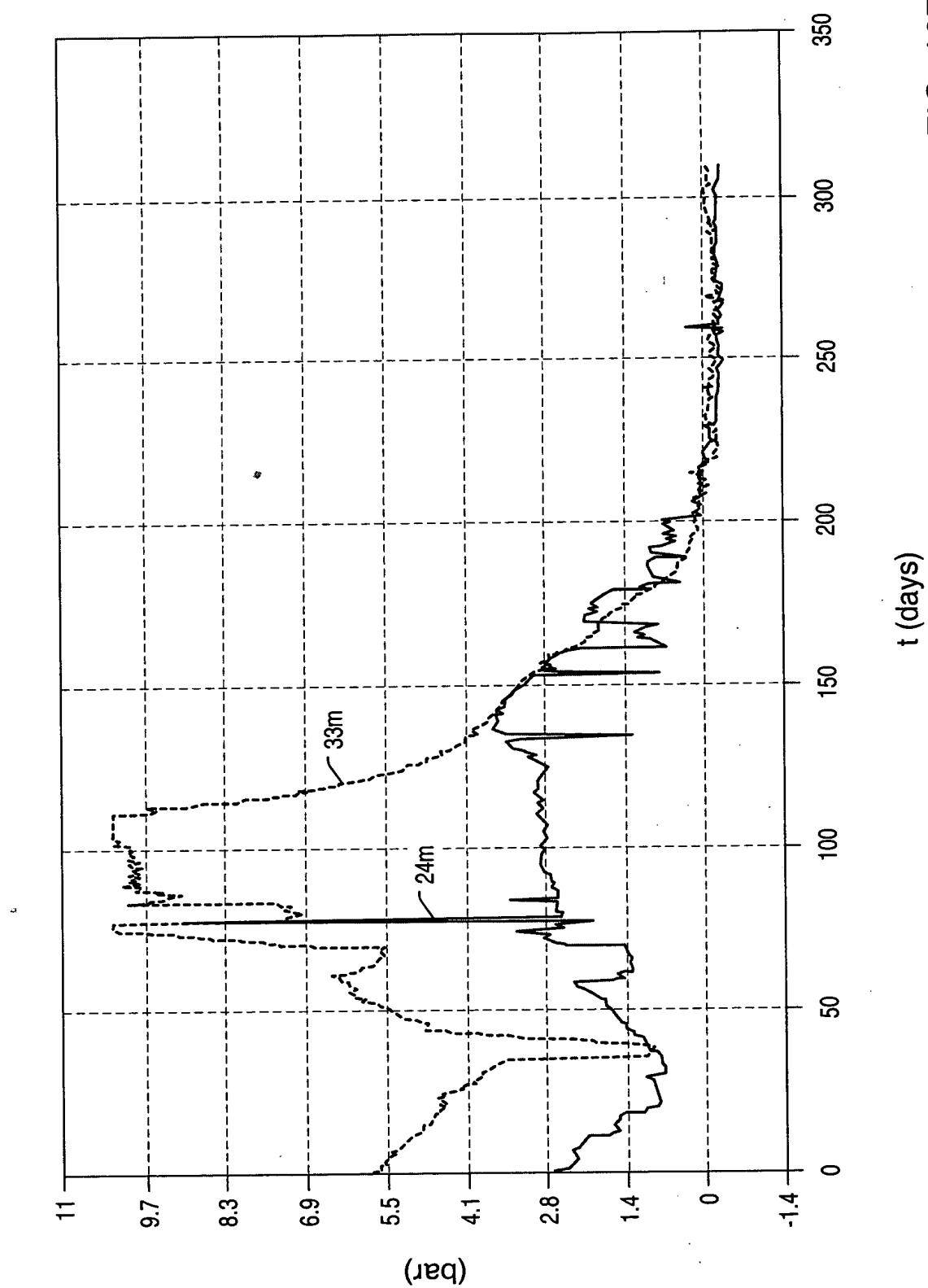


FIG. 107

FIG. 108

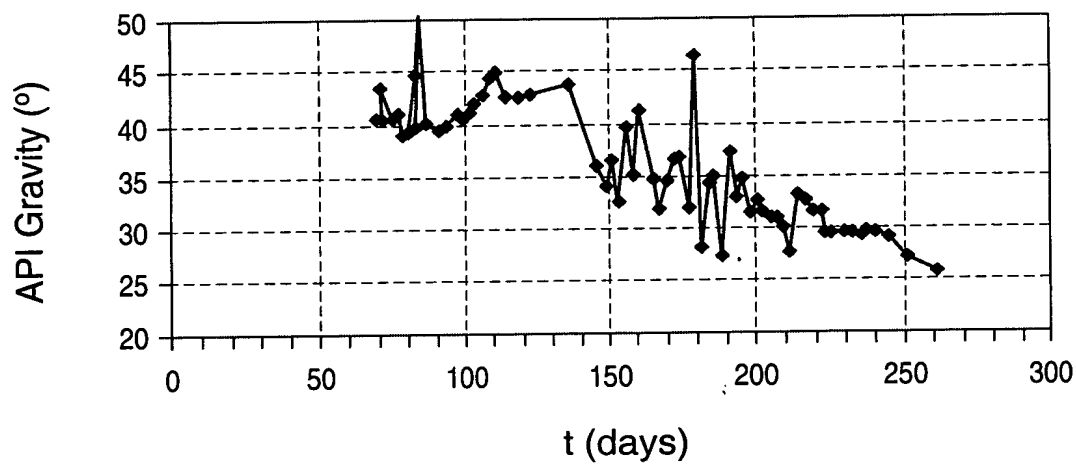


FIG. 108

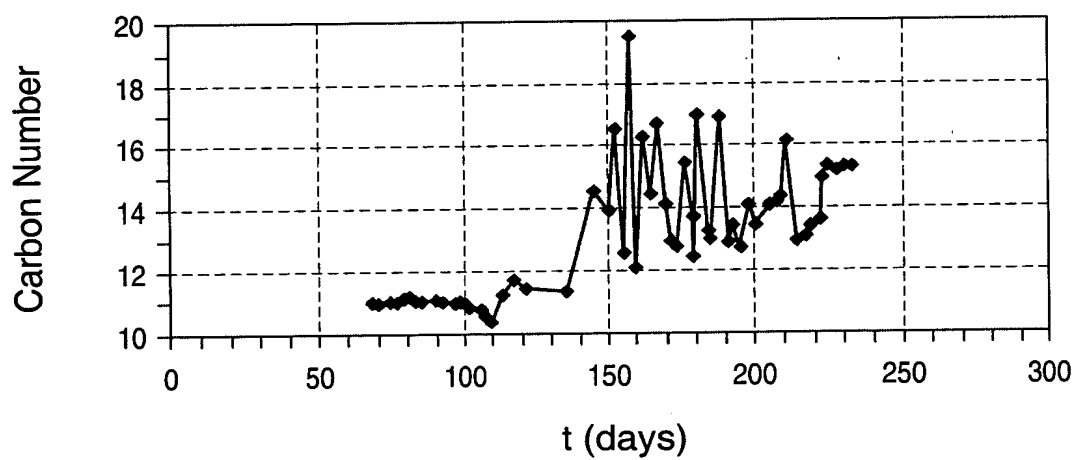


FIG. 109

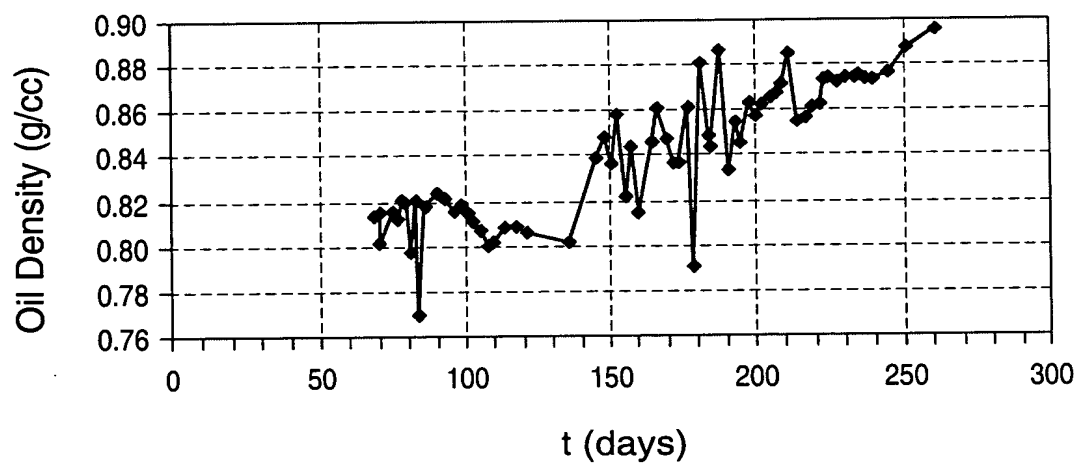


FIG. 110

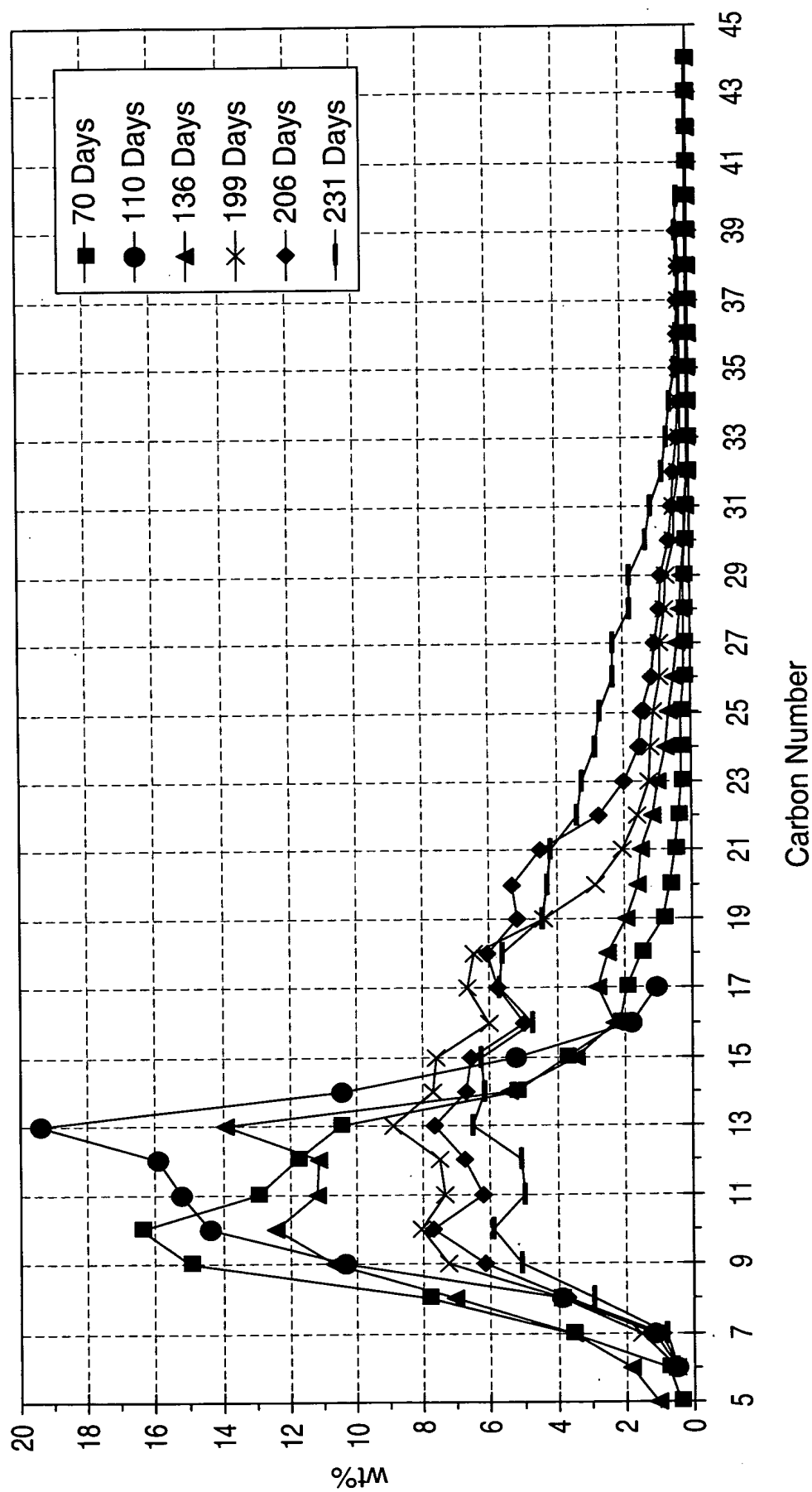


FIG. 111

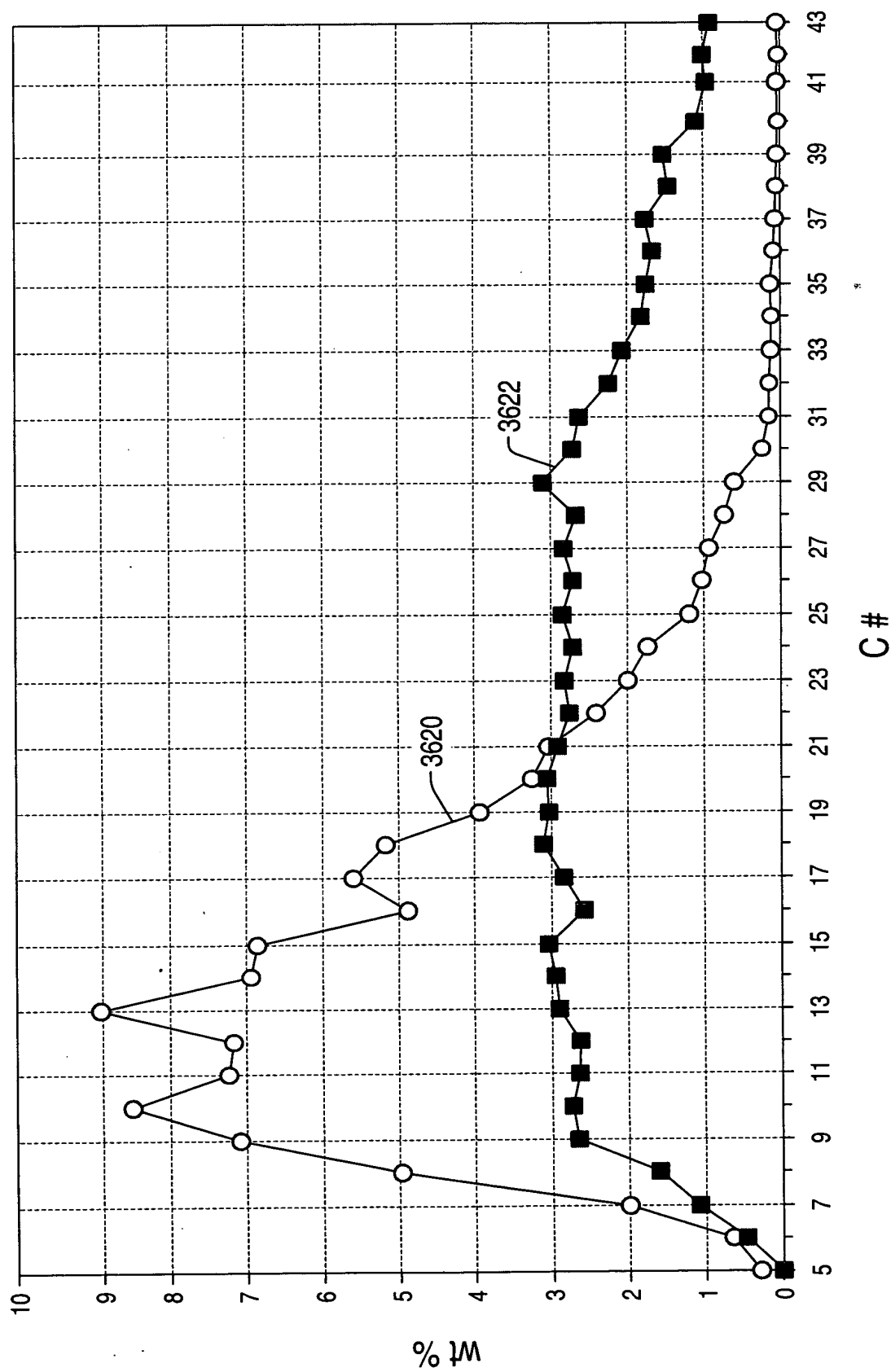


FIG. 112

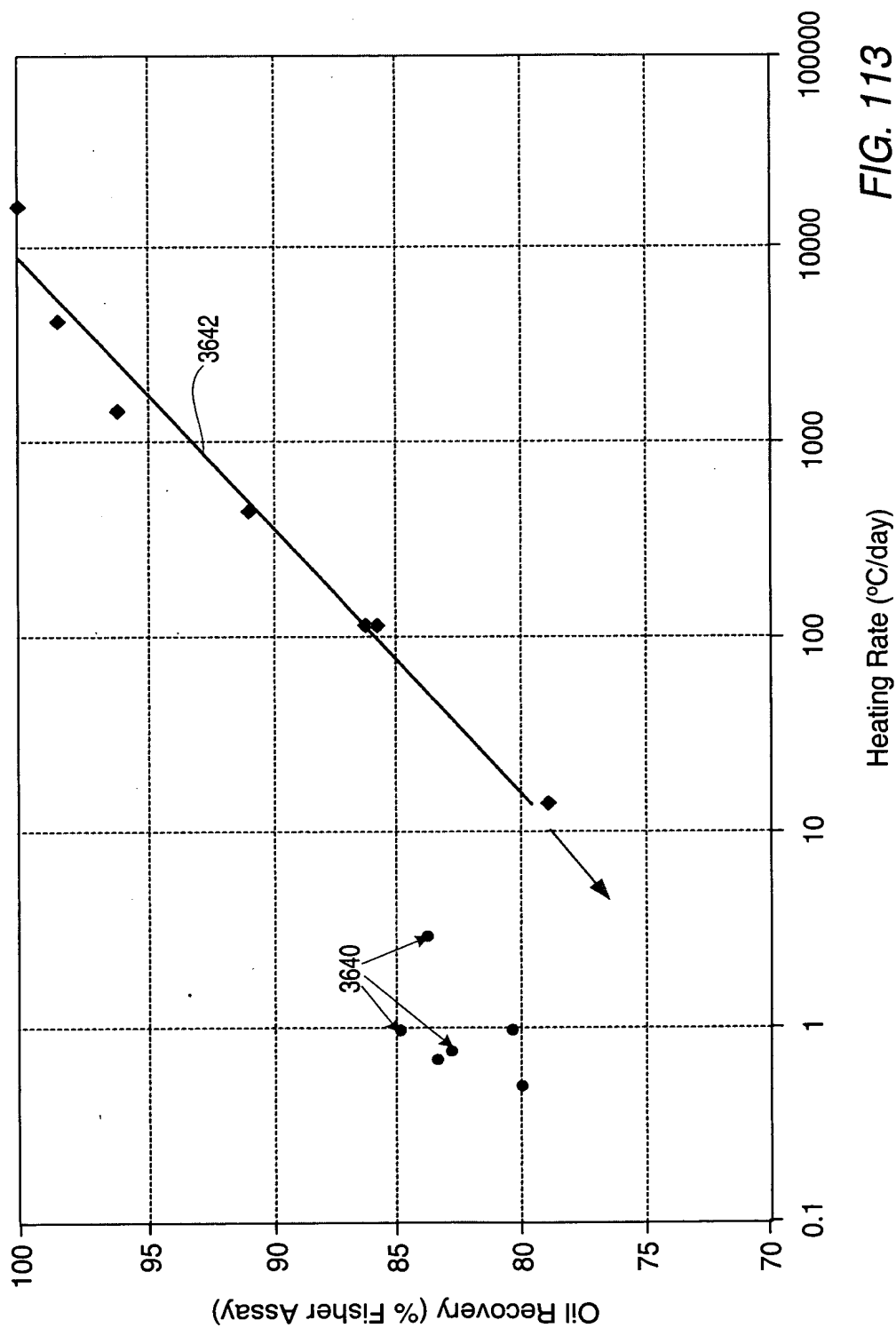


FIG. 113

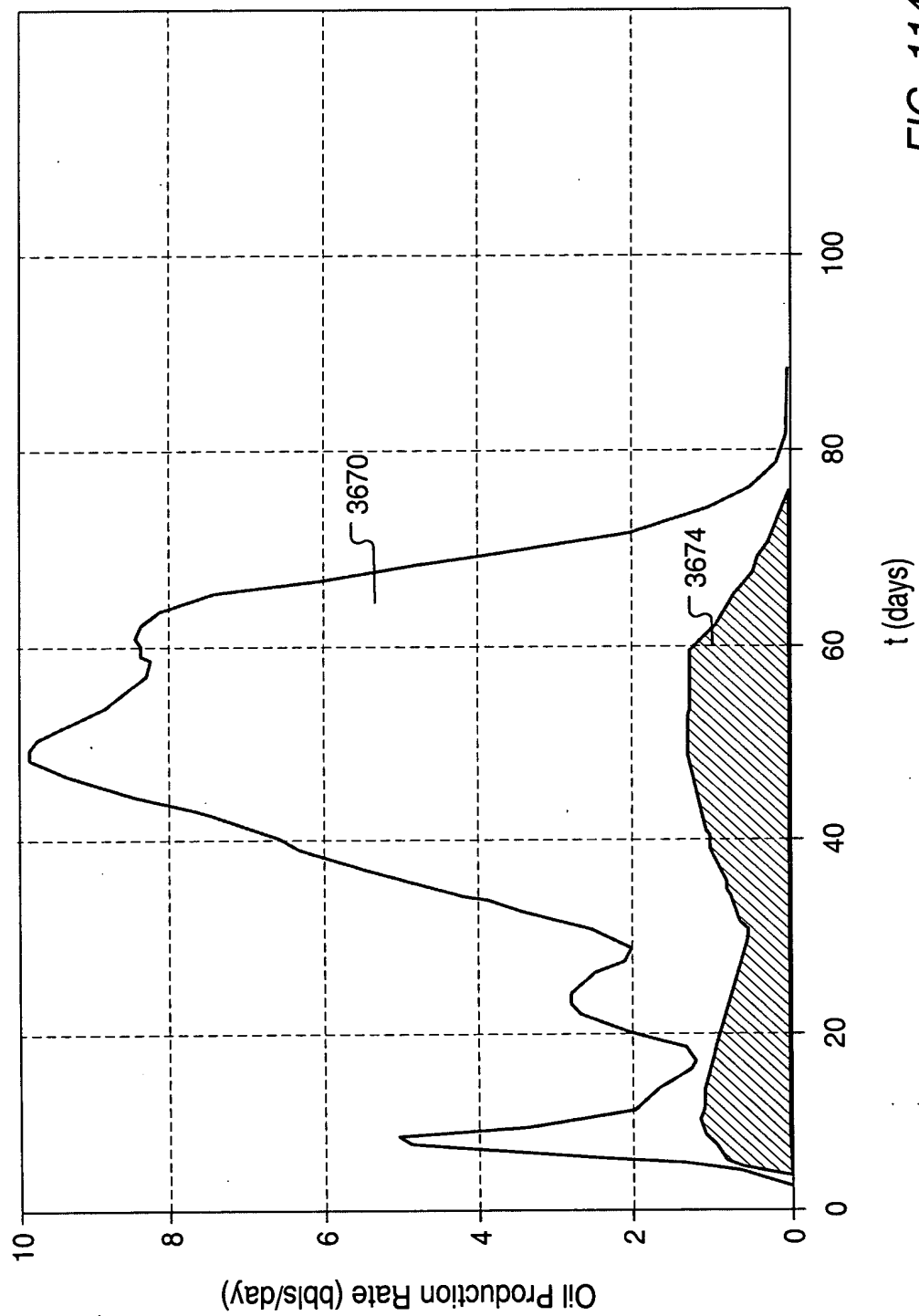


FIG. 114

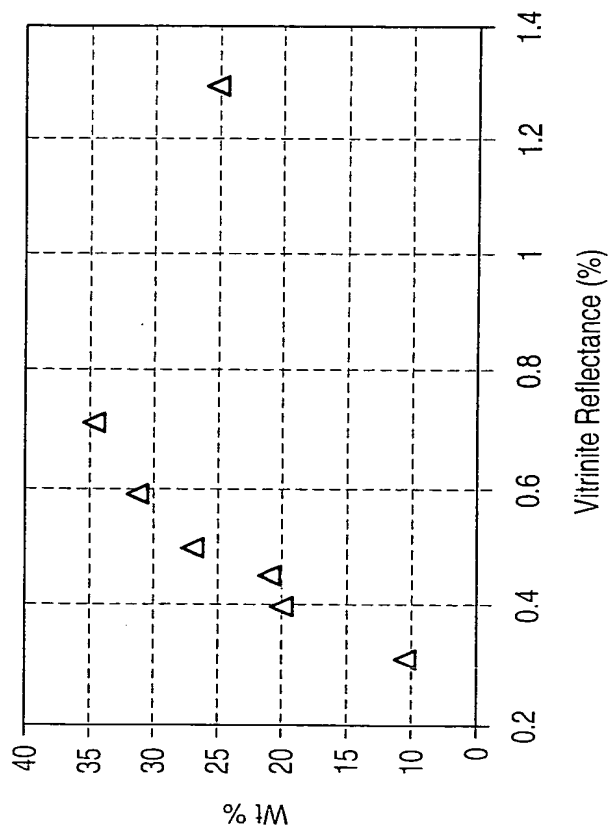


FIG. 115

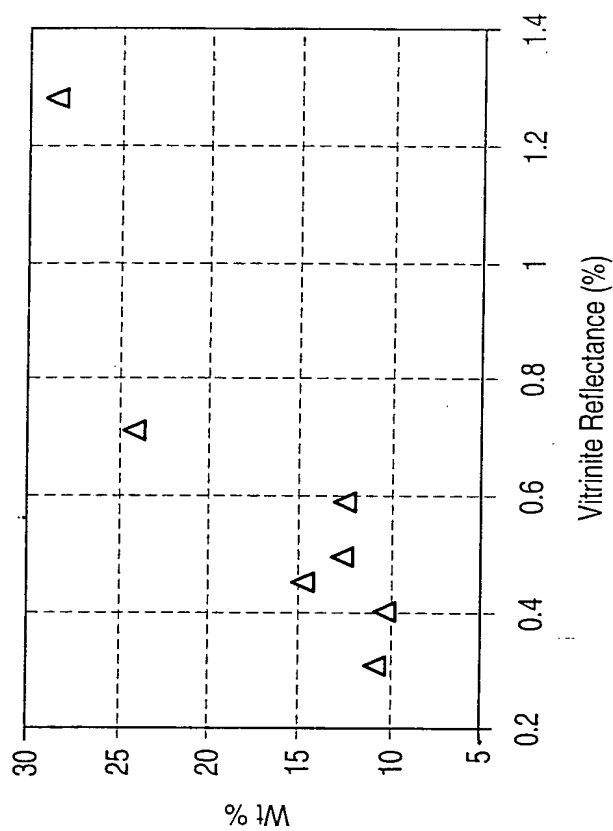


FIG. 116

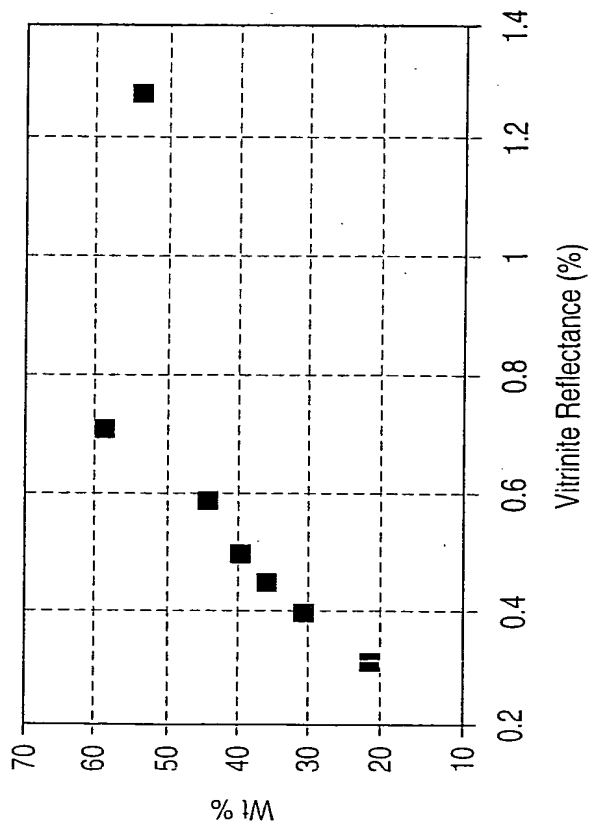


FIG. 117

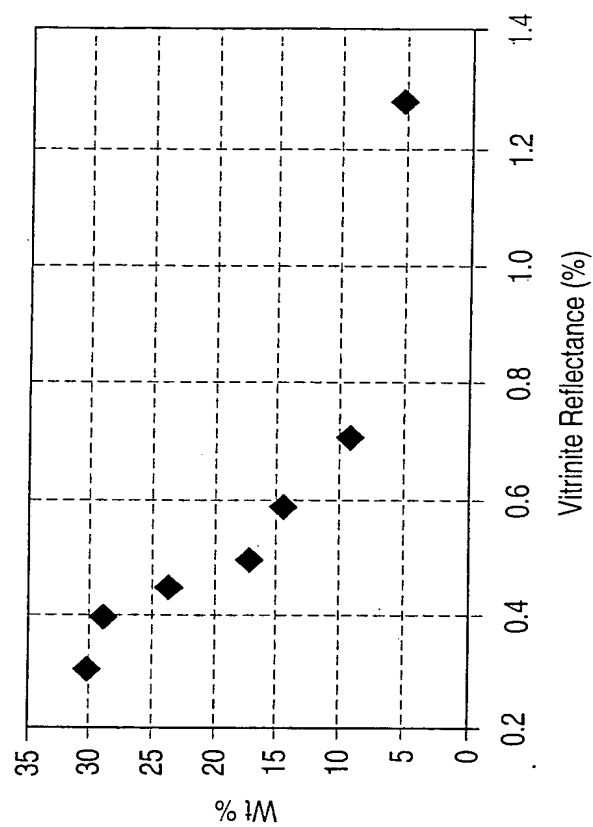


FIG. 118



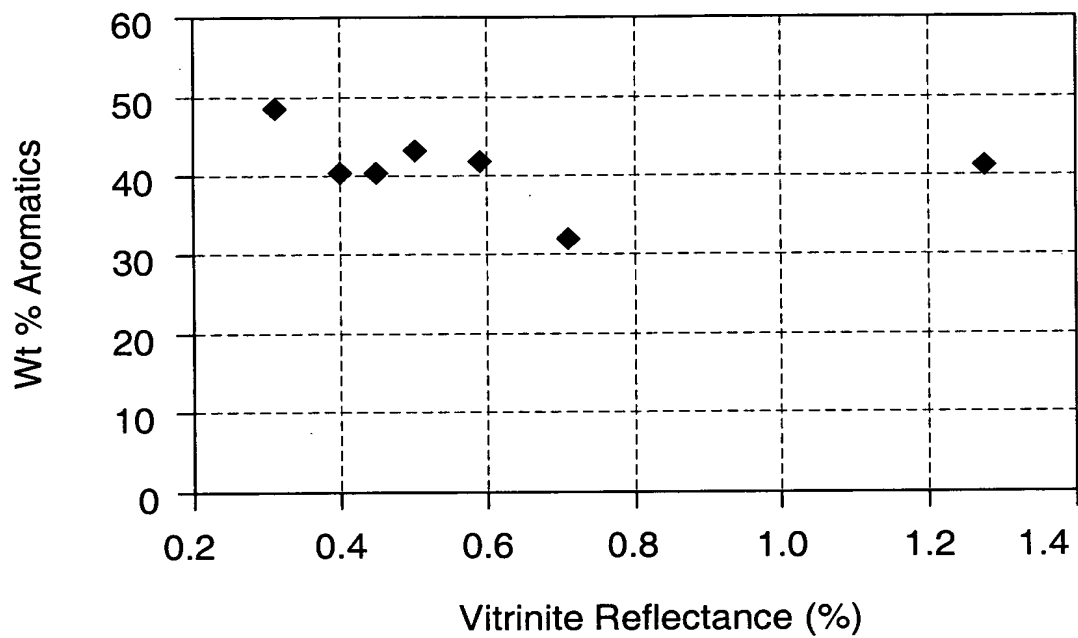


FIG. 119

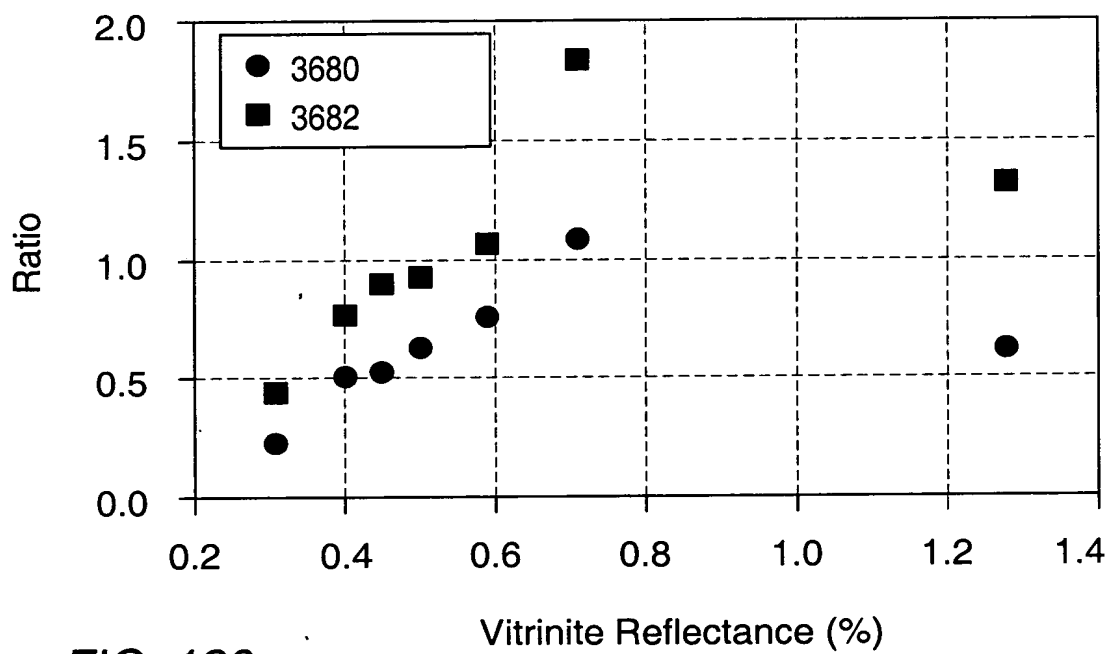


FIG. 120

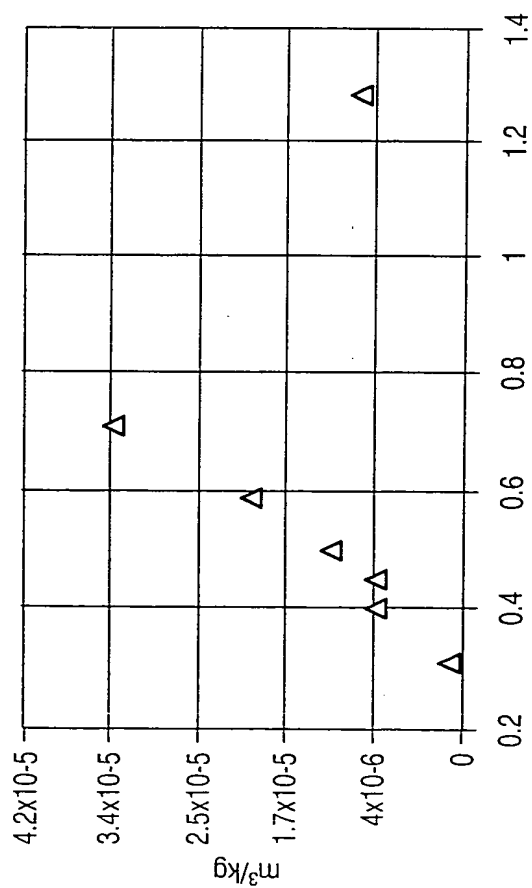


FIG. 121

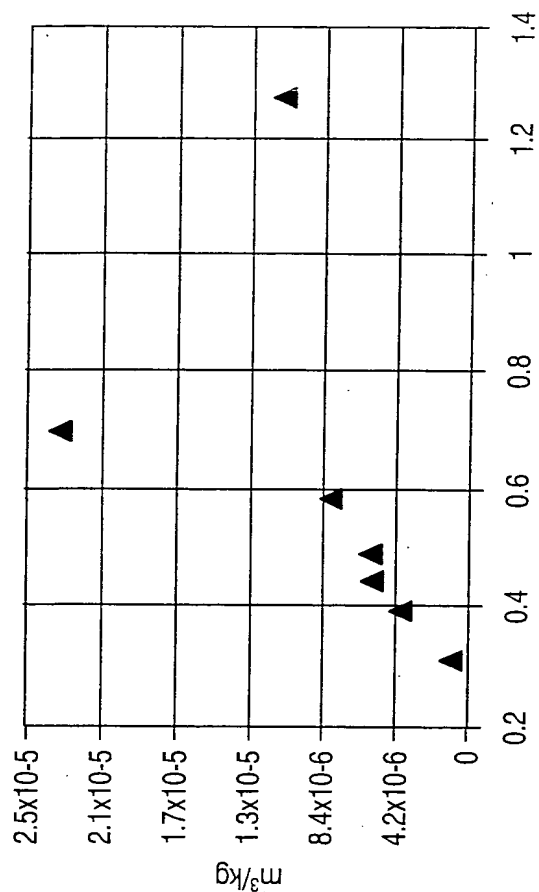


FIG. 122

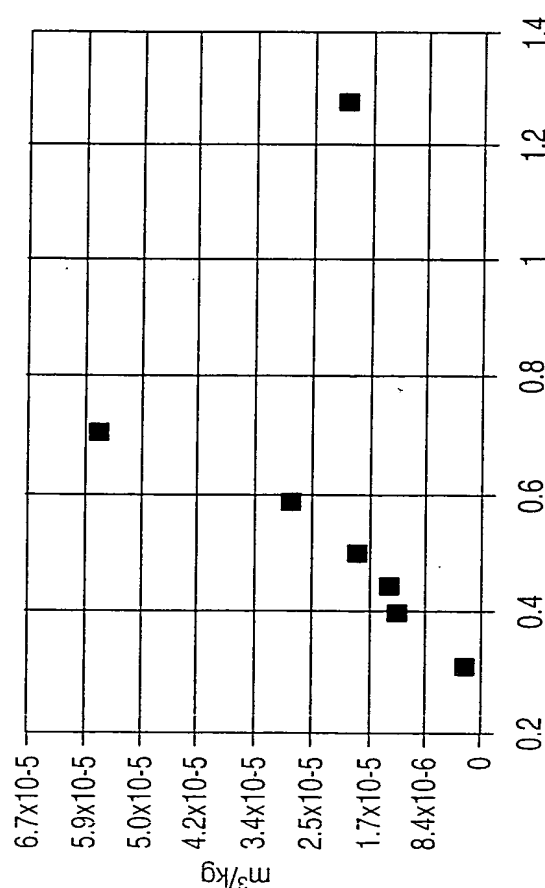


FIG. 123

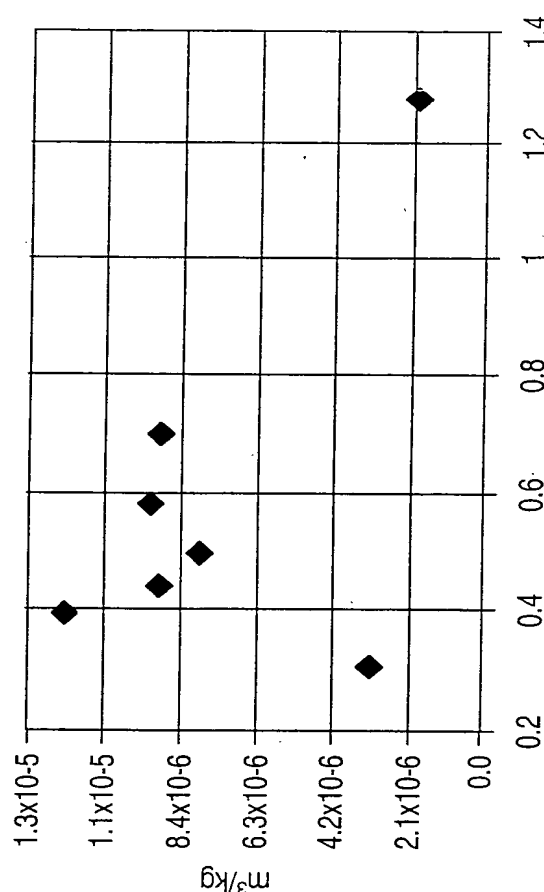


FIG. 124

66274353

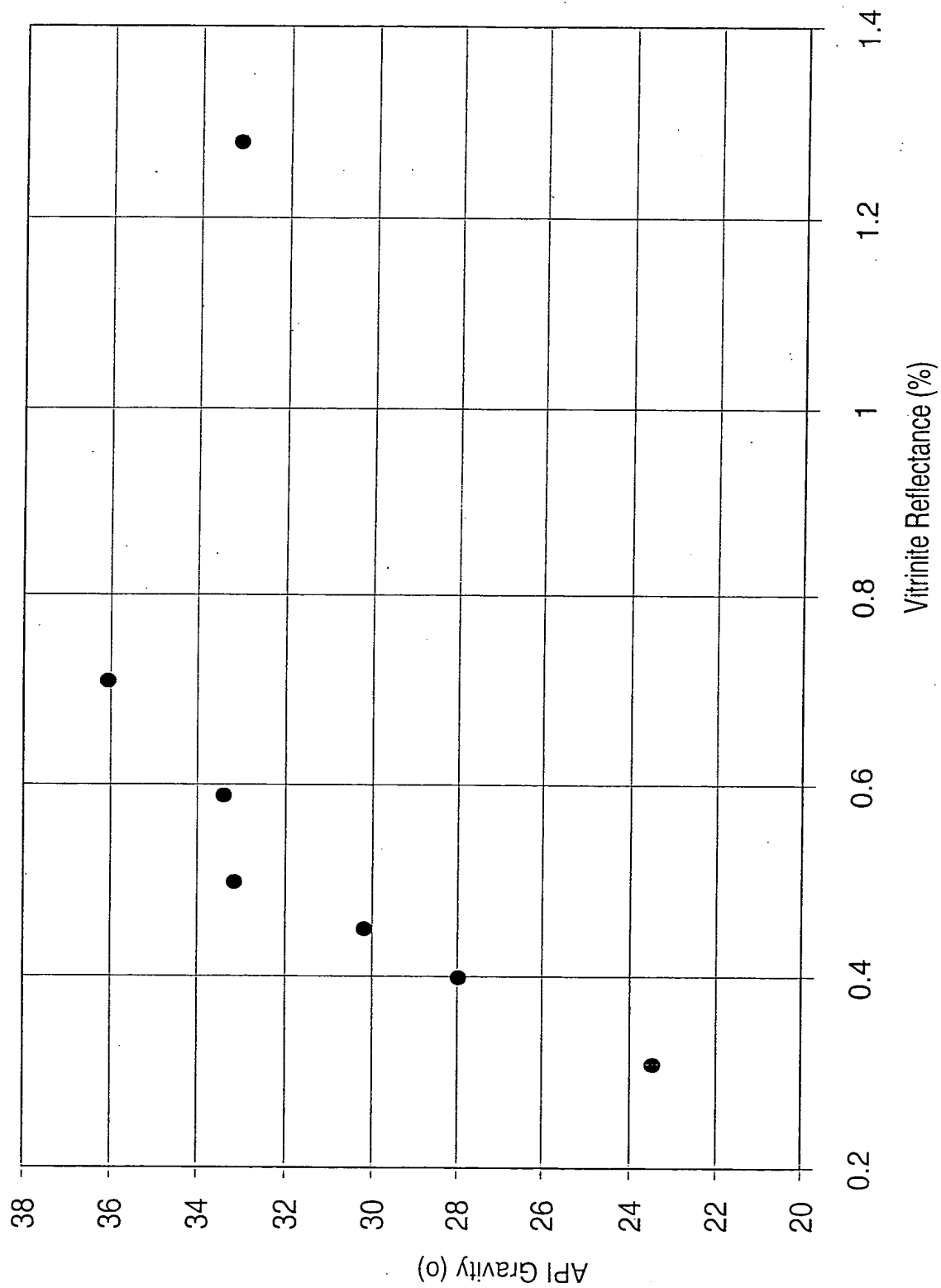
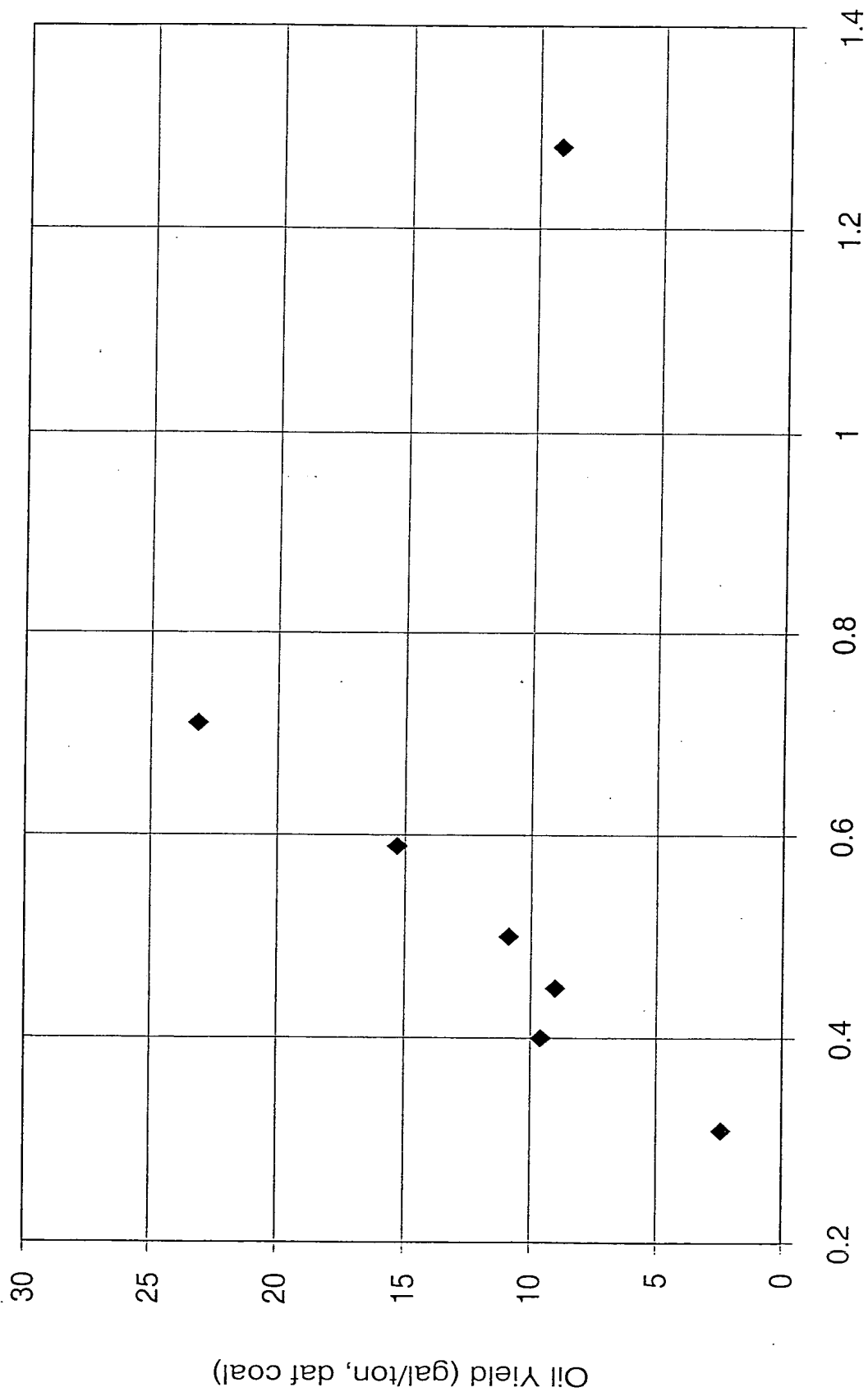


FIG. 125



Vitrinite Reflectance (%)

FIG. 126

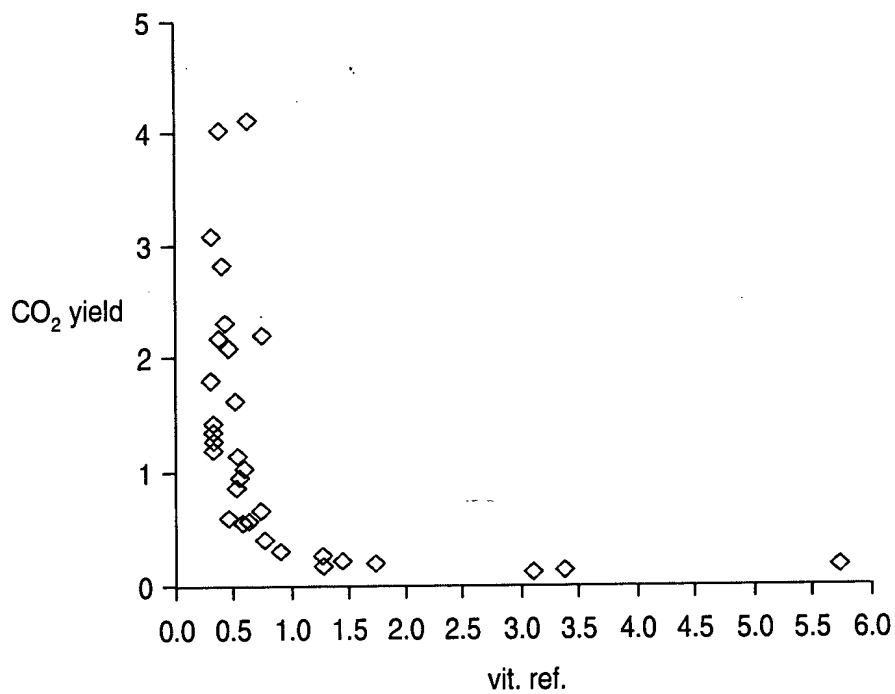


FIG. 127

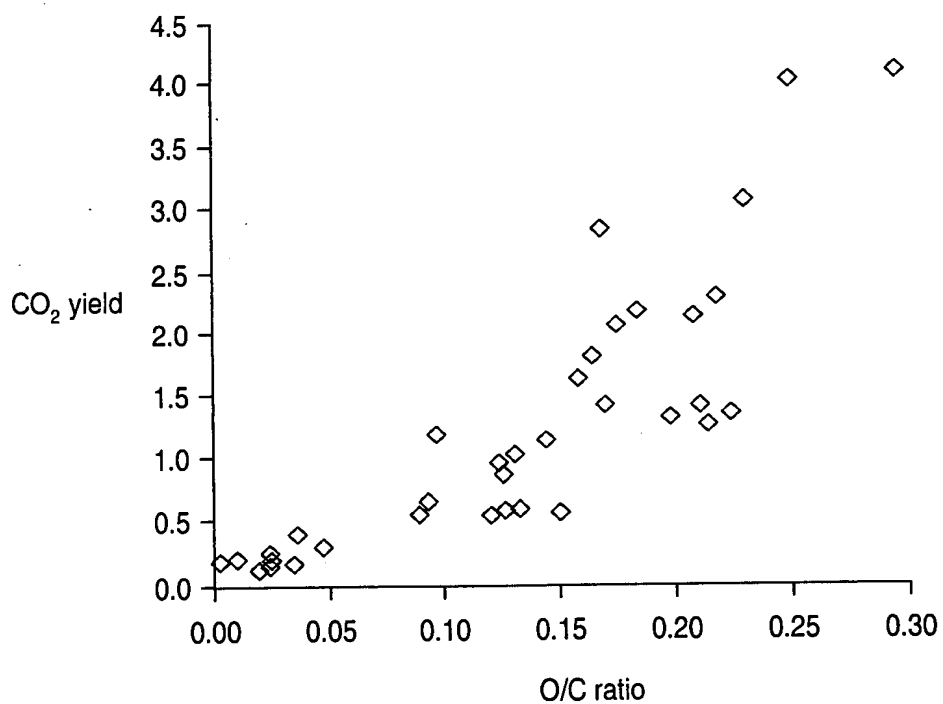


FIG. 128

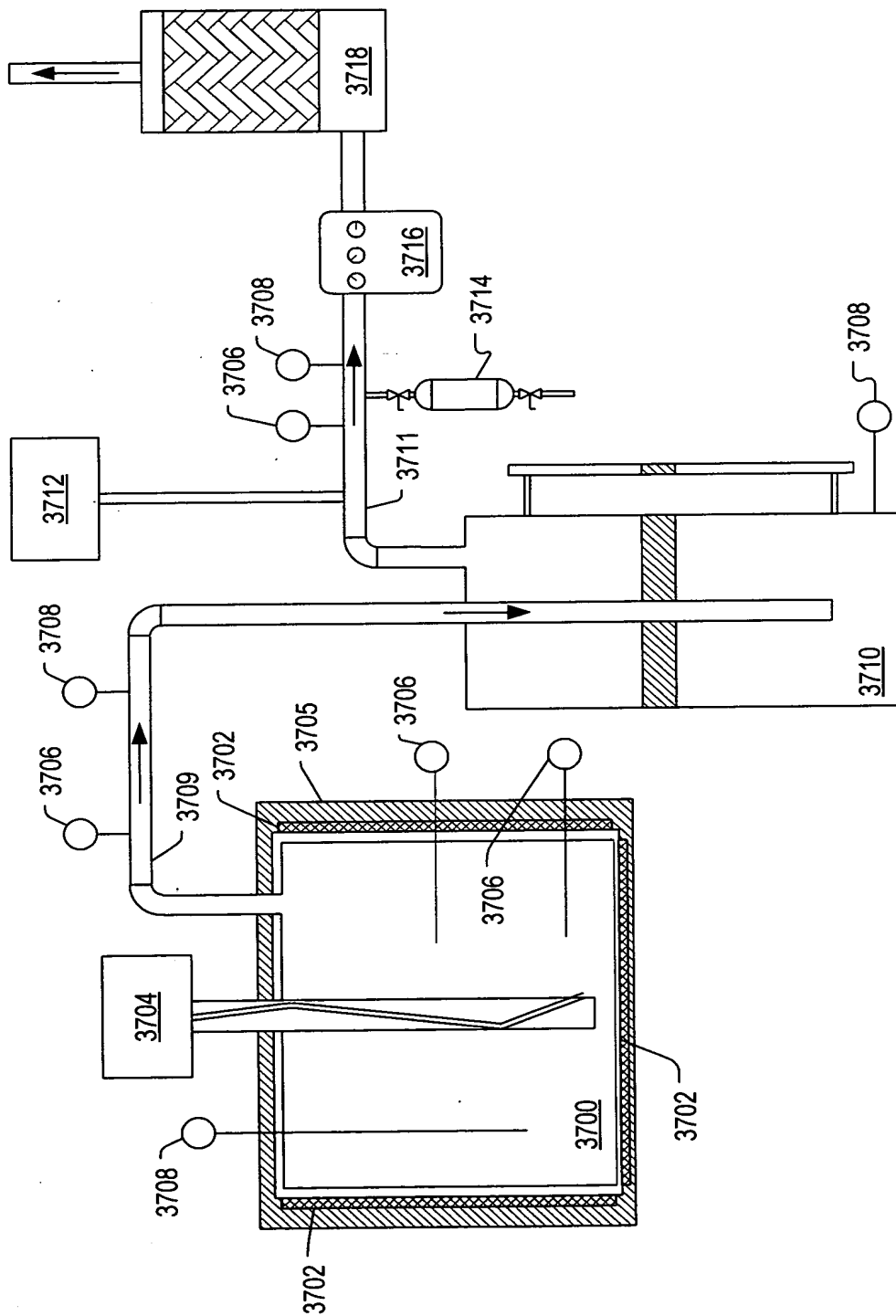


FIG. 129

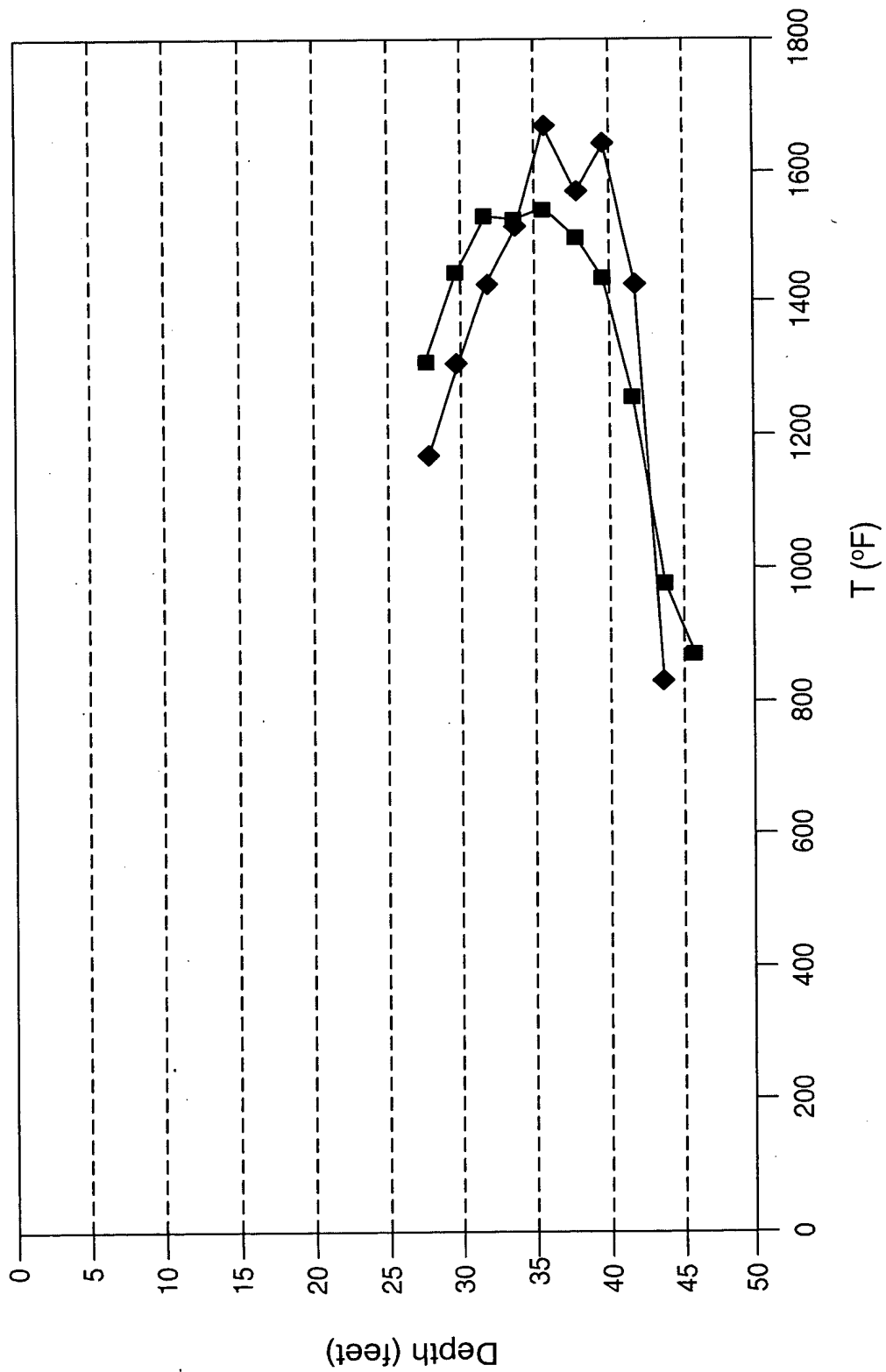


FIG. 130

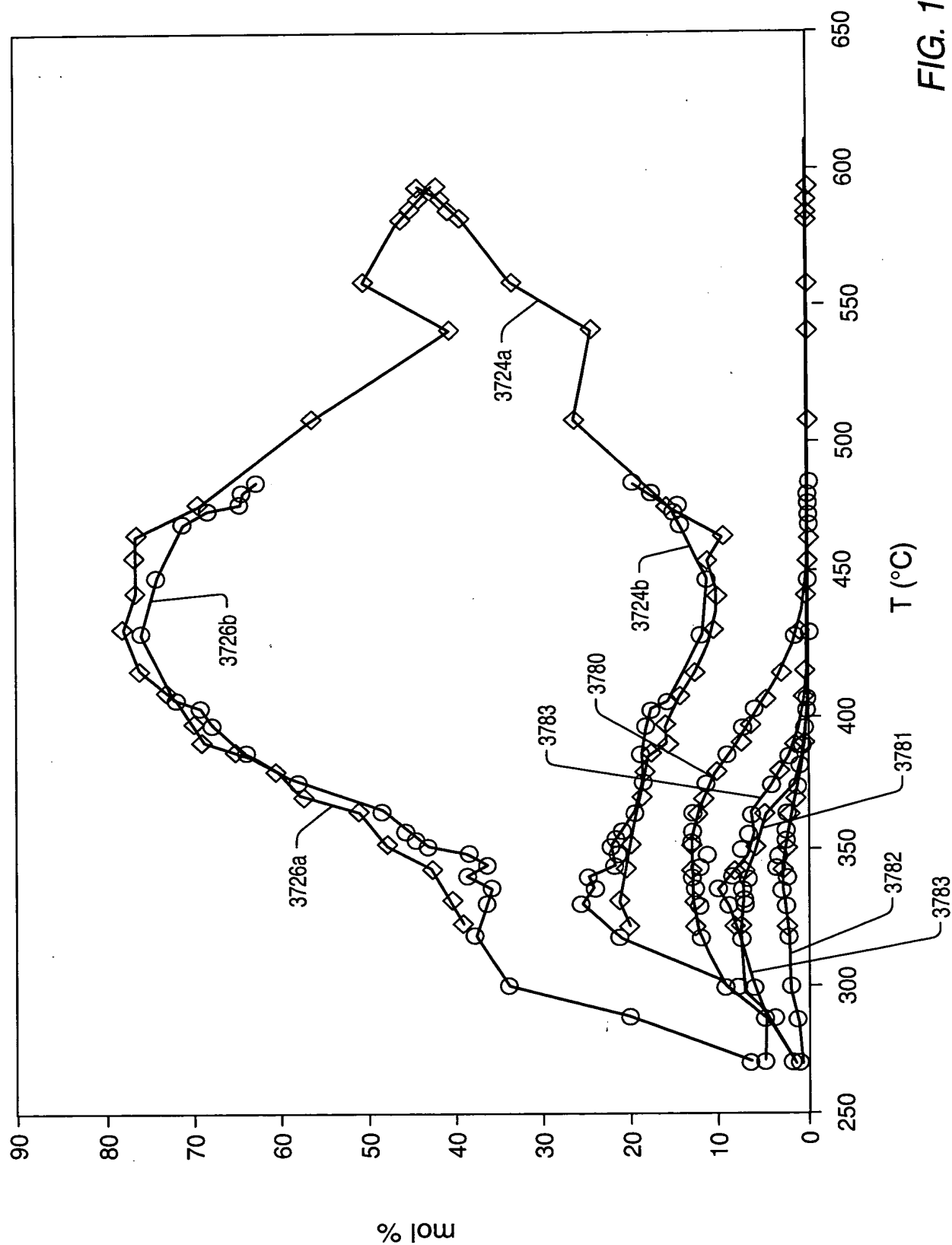


FIG. 131



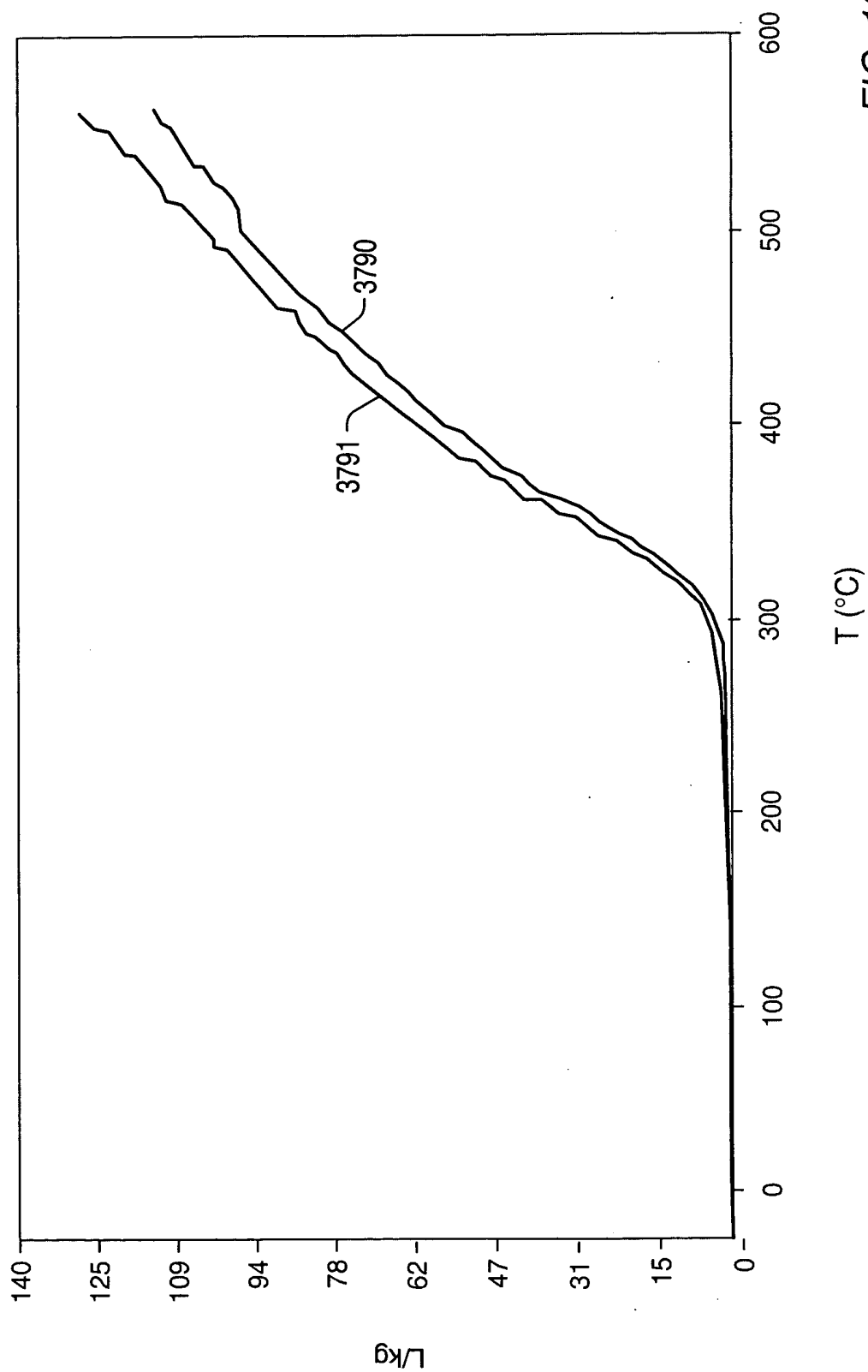


FIG. 132

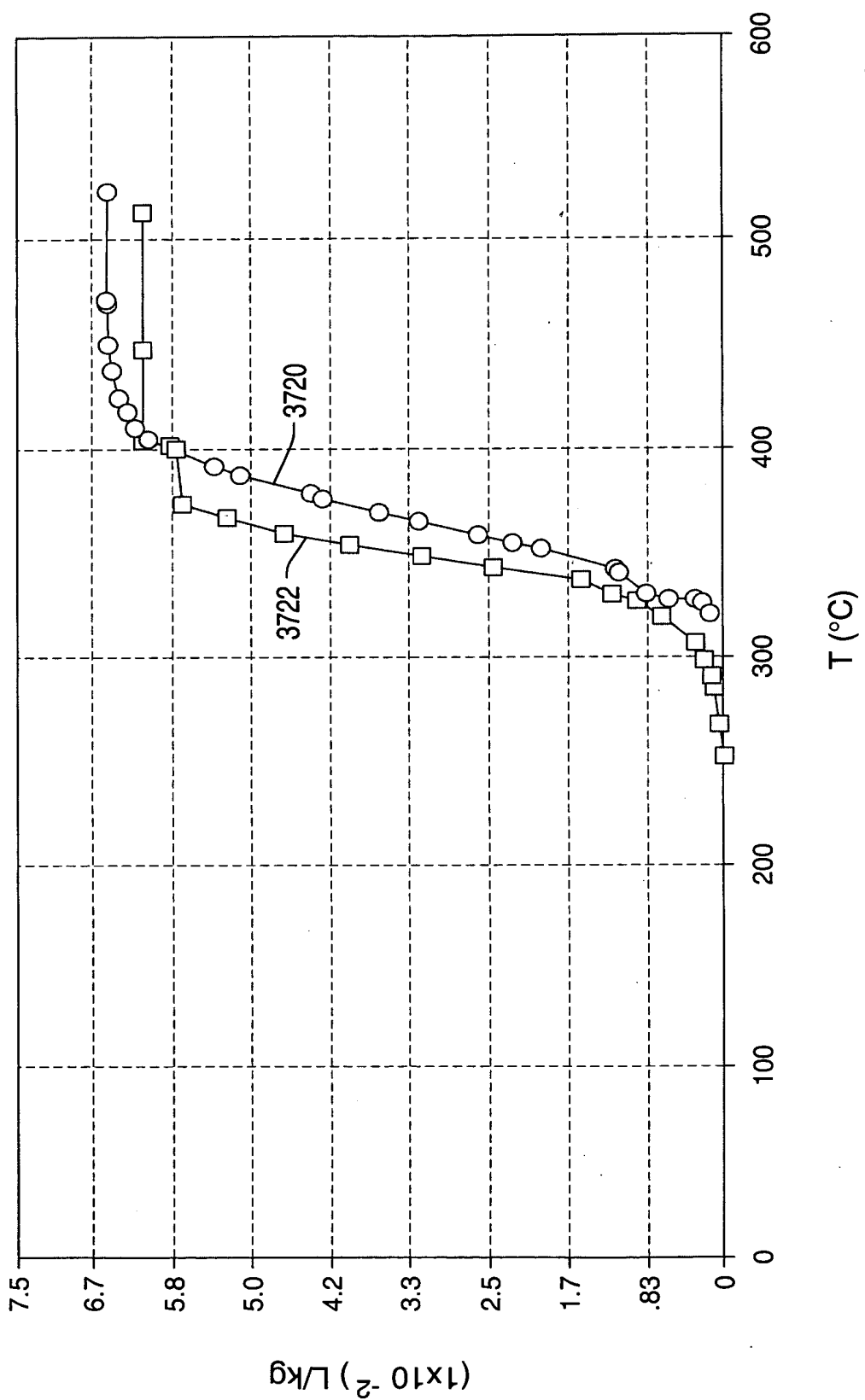


FIG. 133

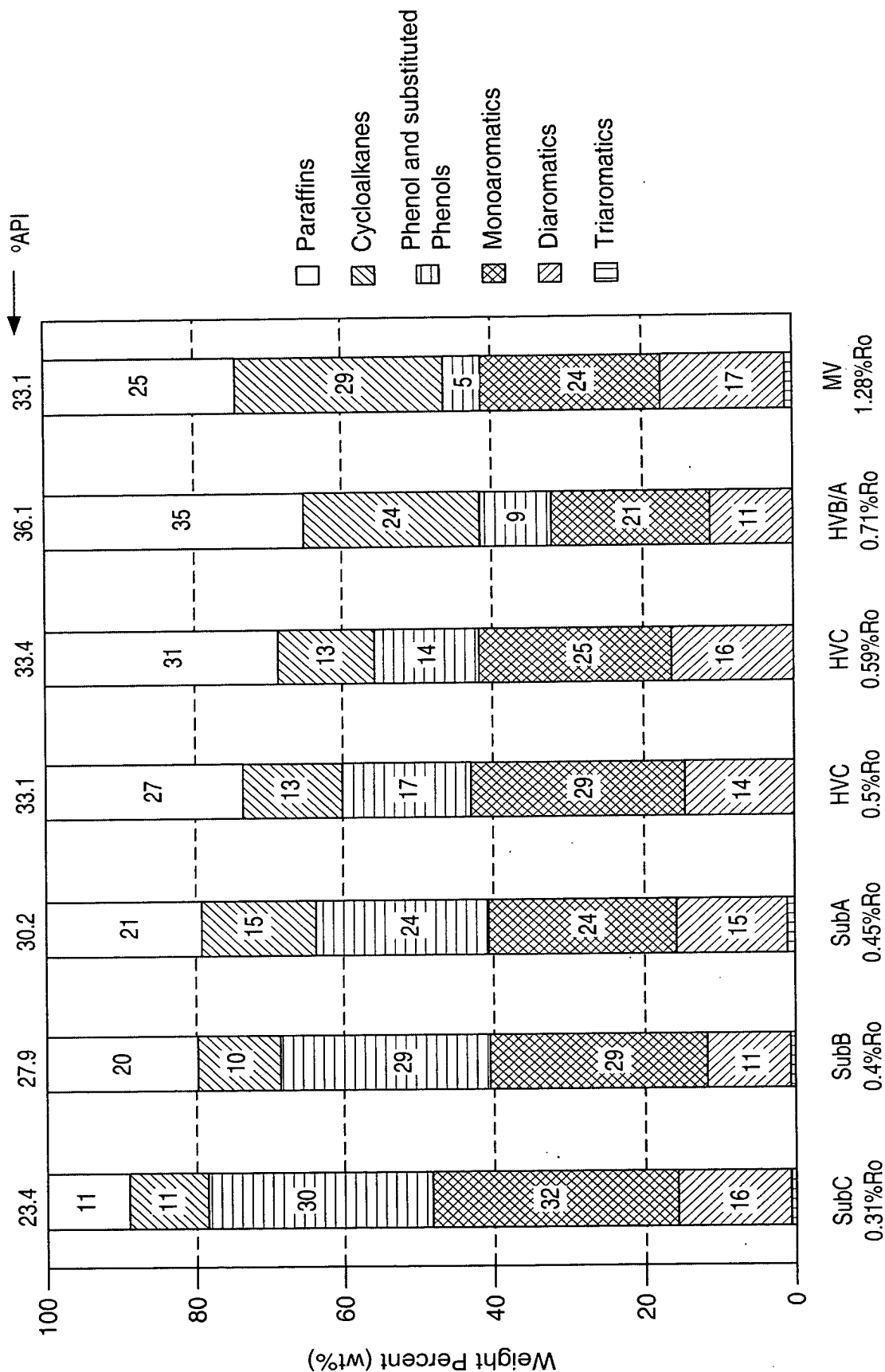


FIG. 134

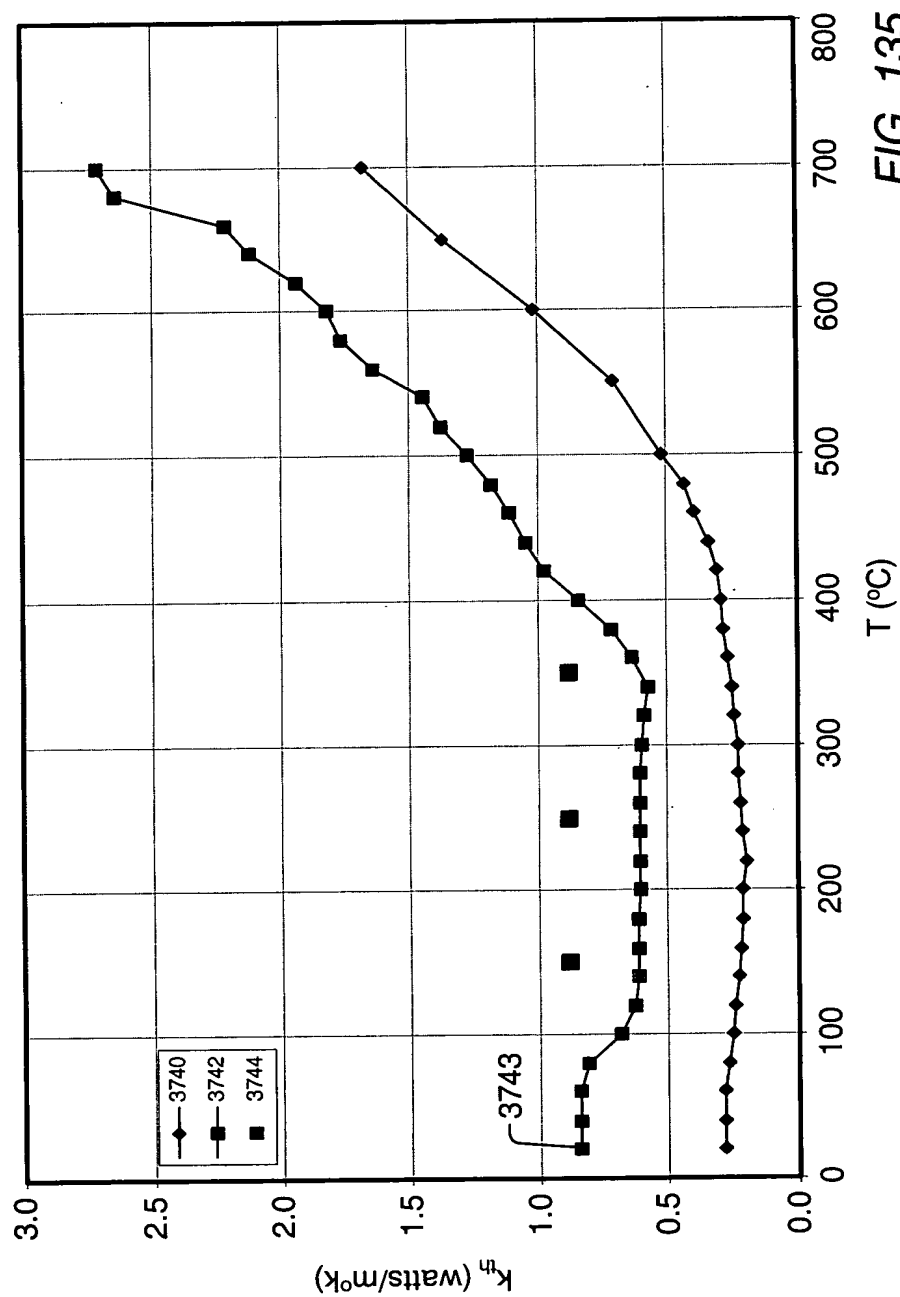


FIG. 135

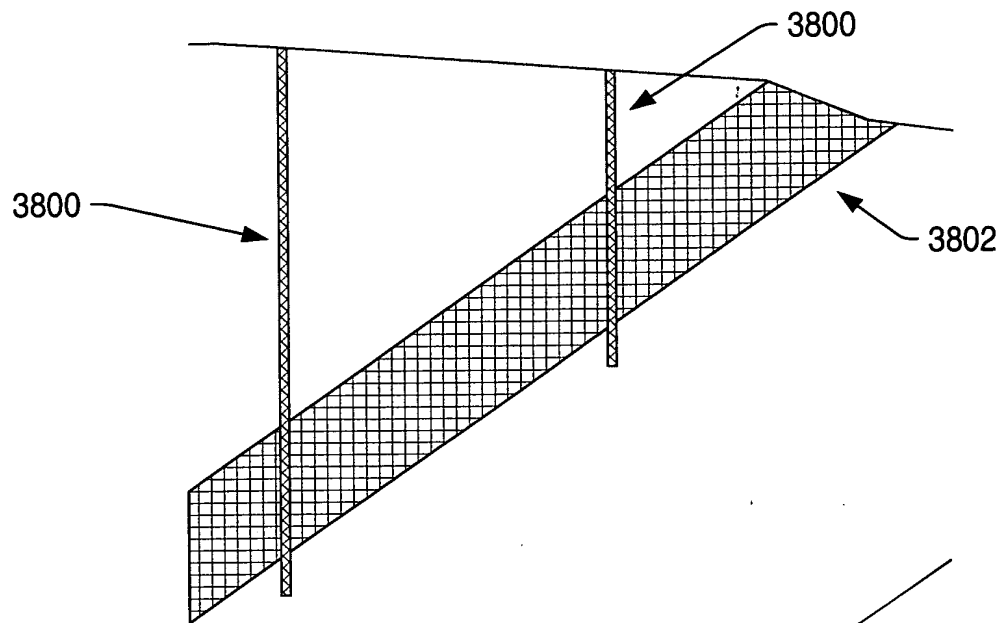


FIG. 136

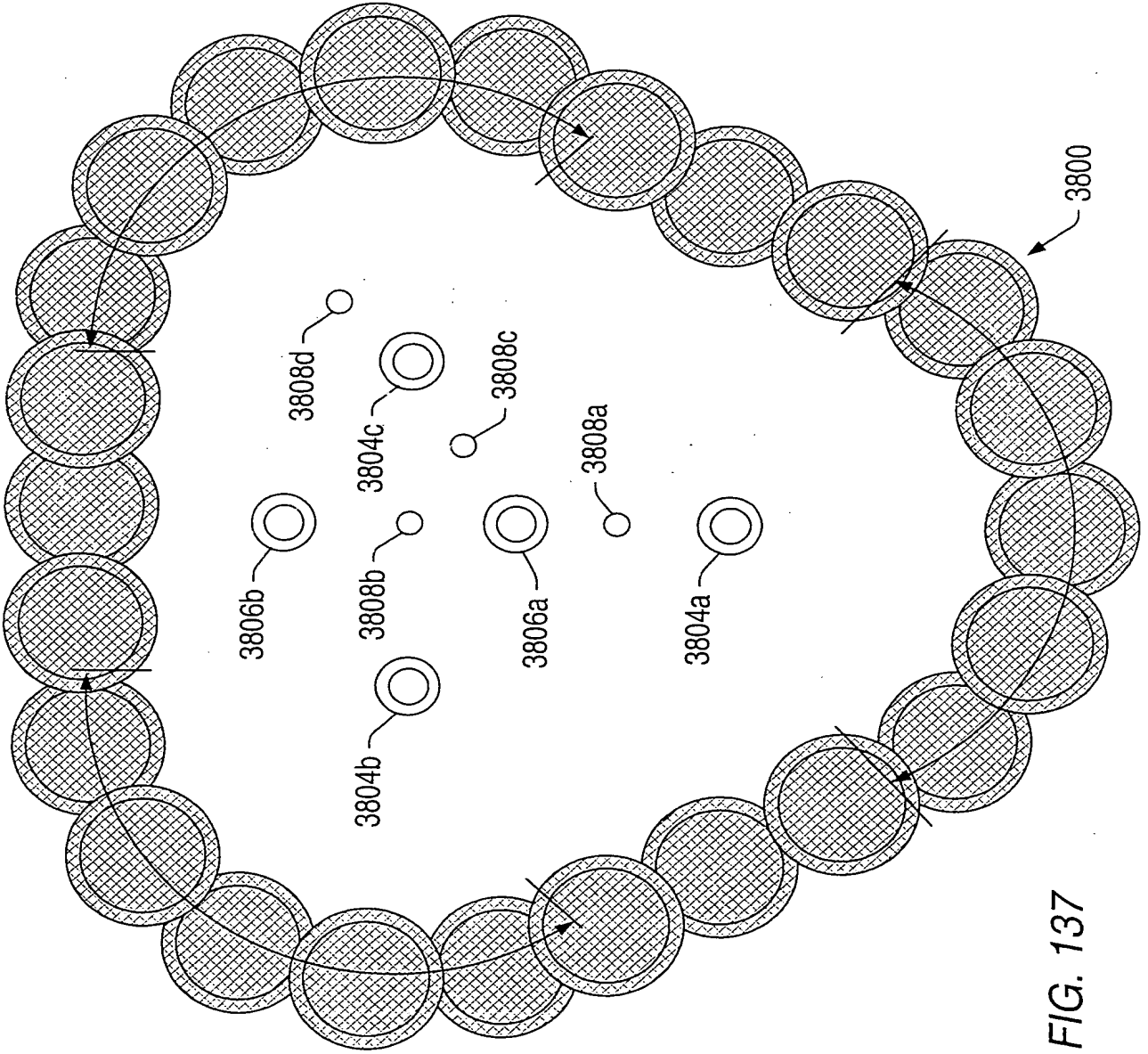


FIG. 137

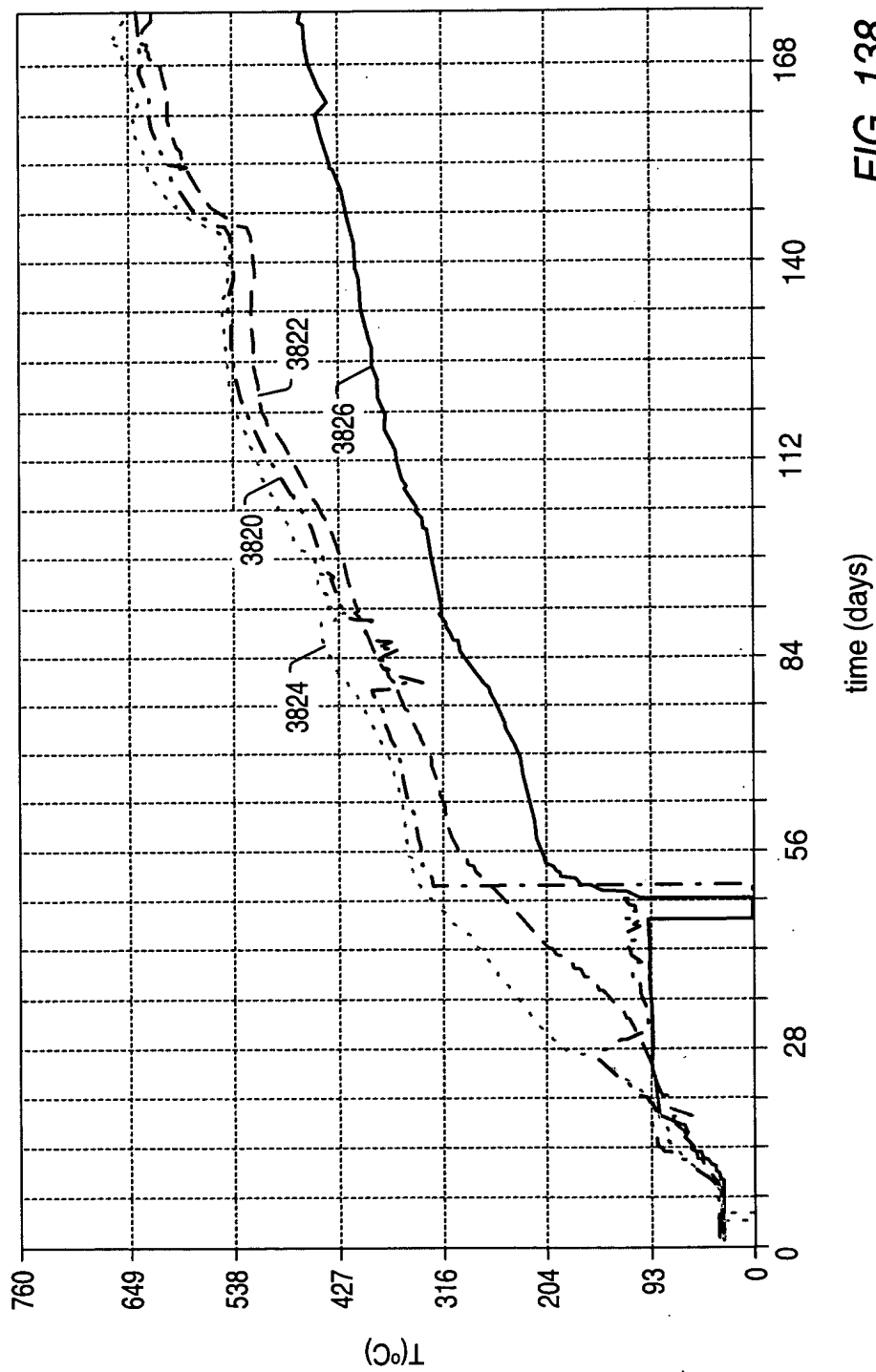


FIG. 138

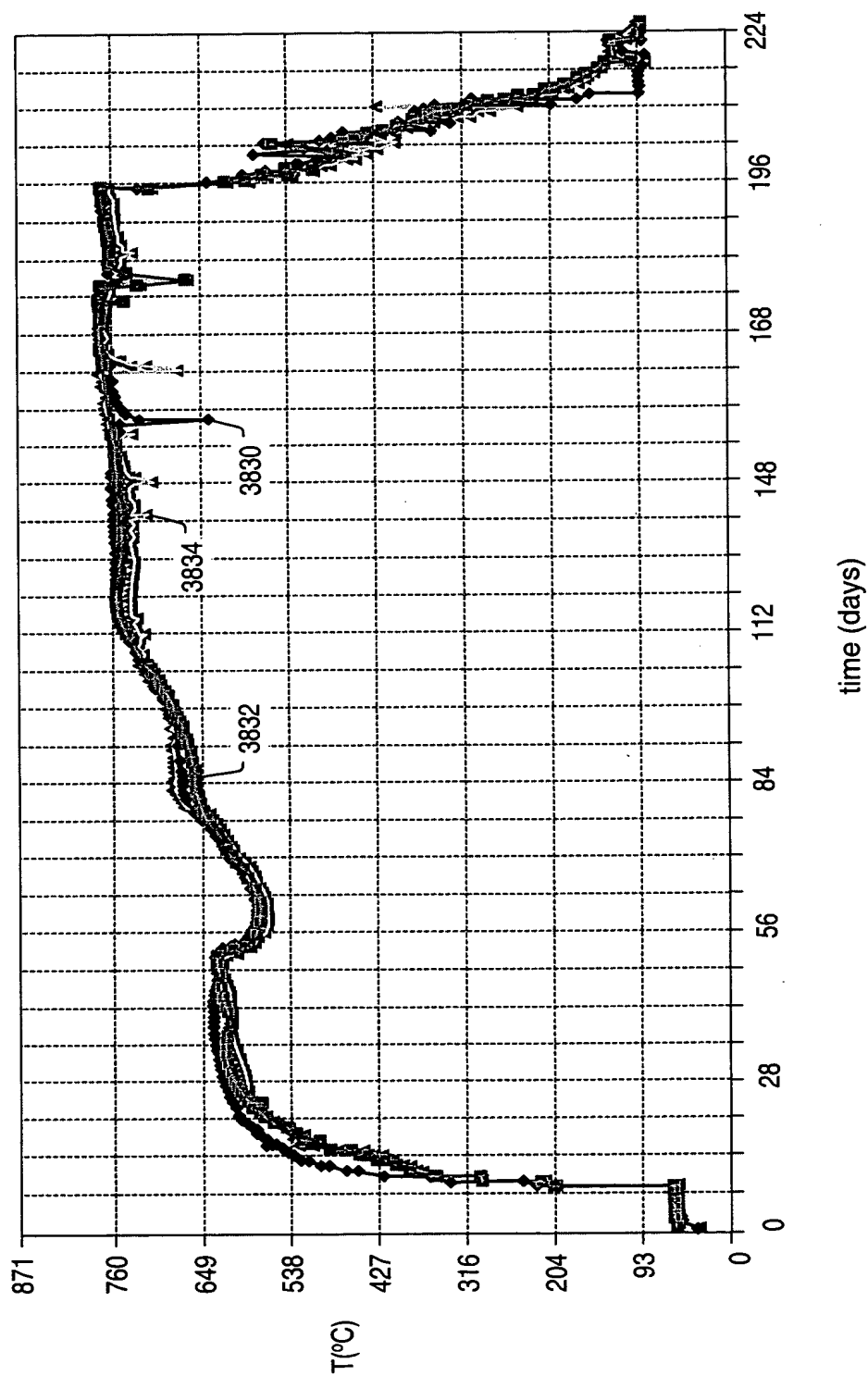


FIG. 139



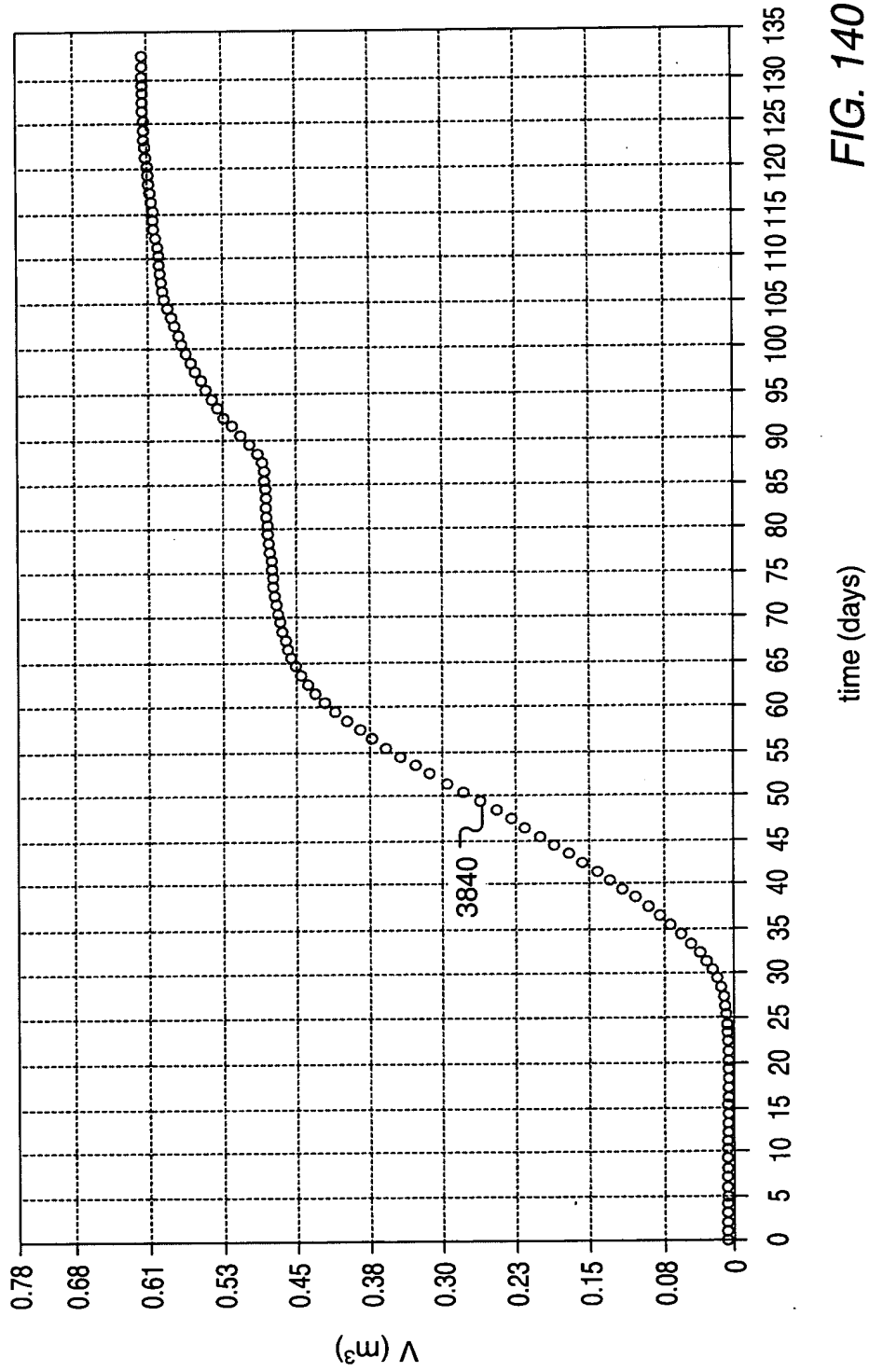


FIG. 140

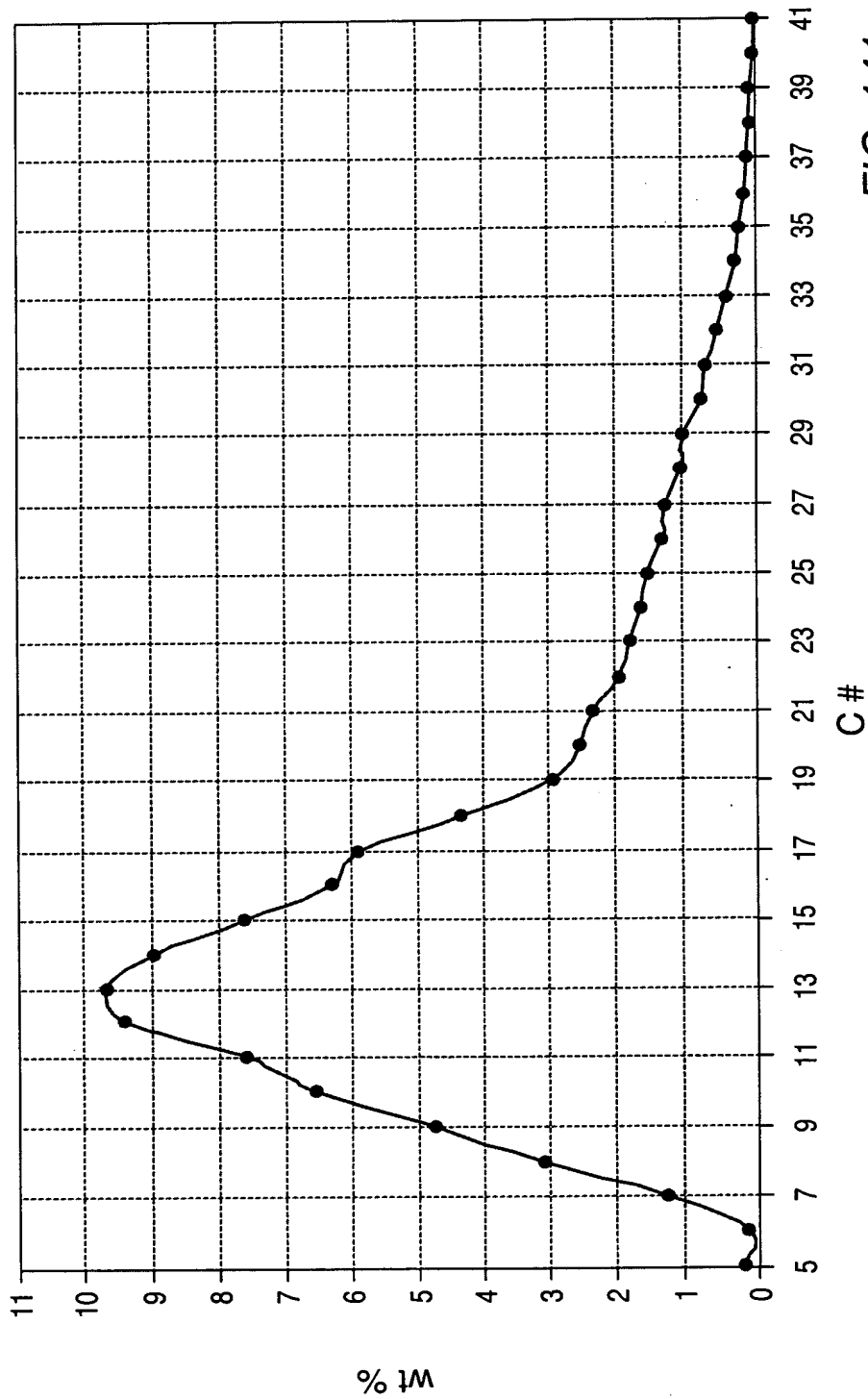


FIG. 141

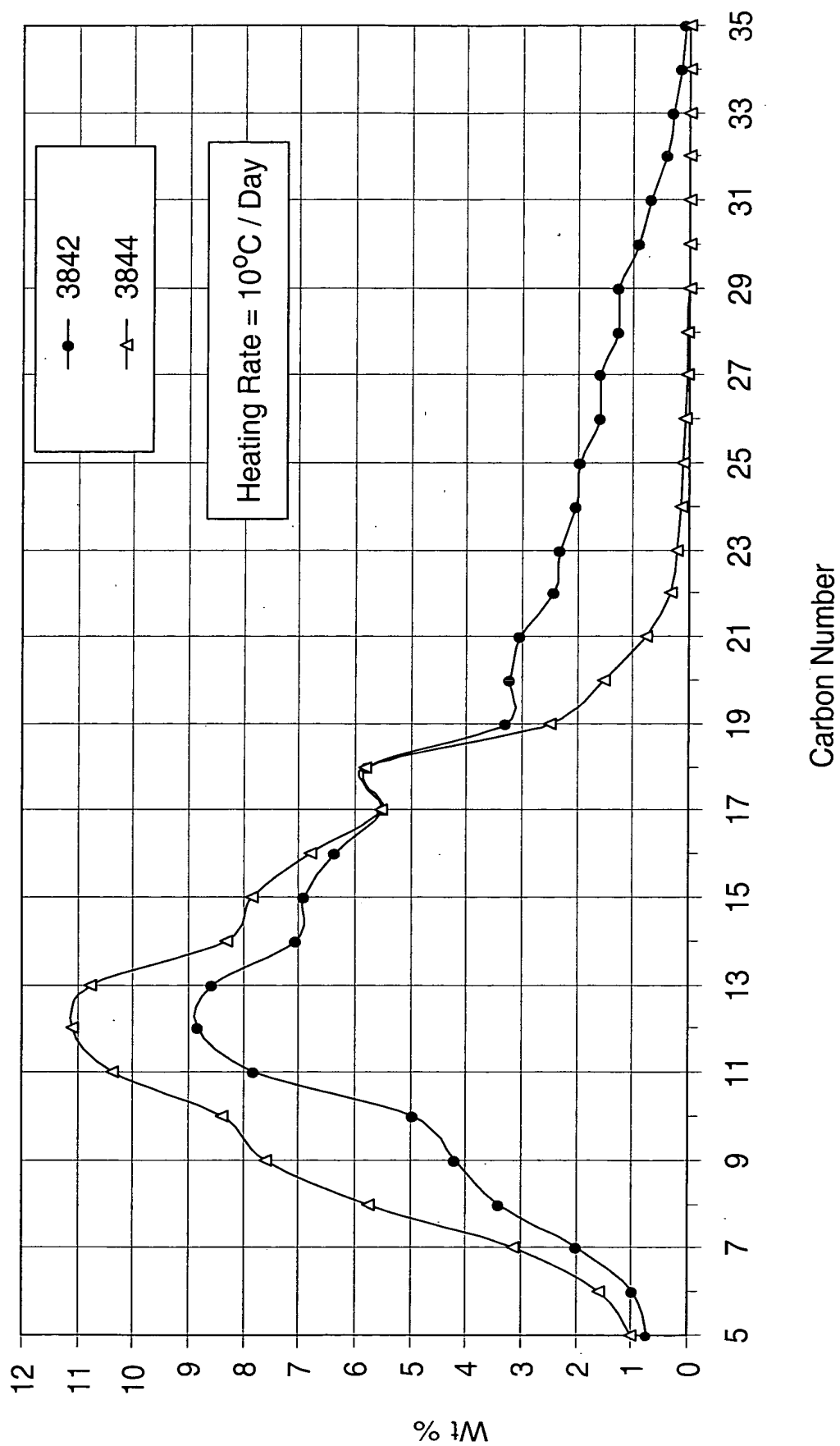


FIG. 142

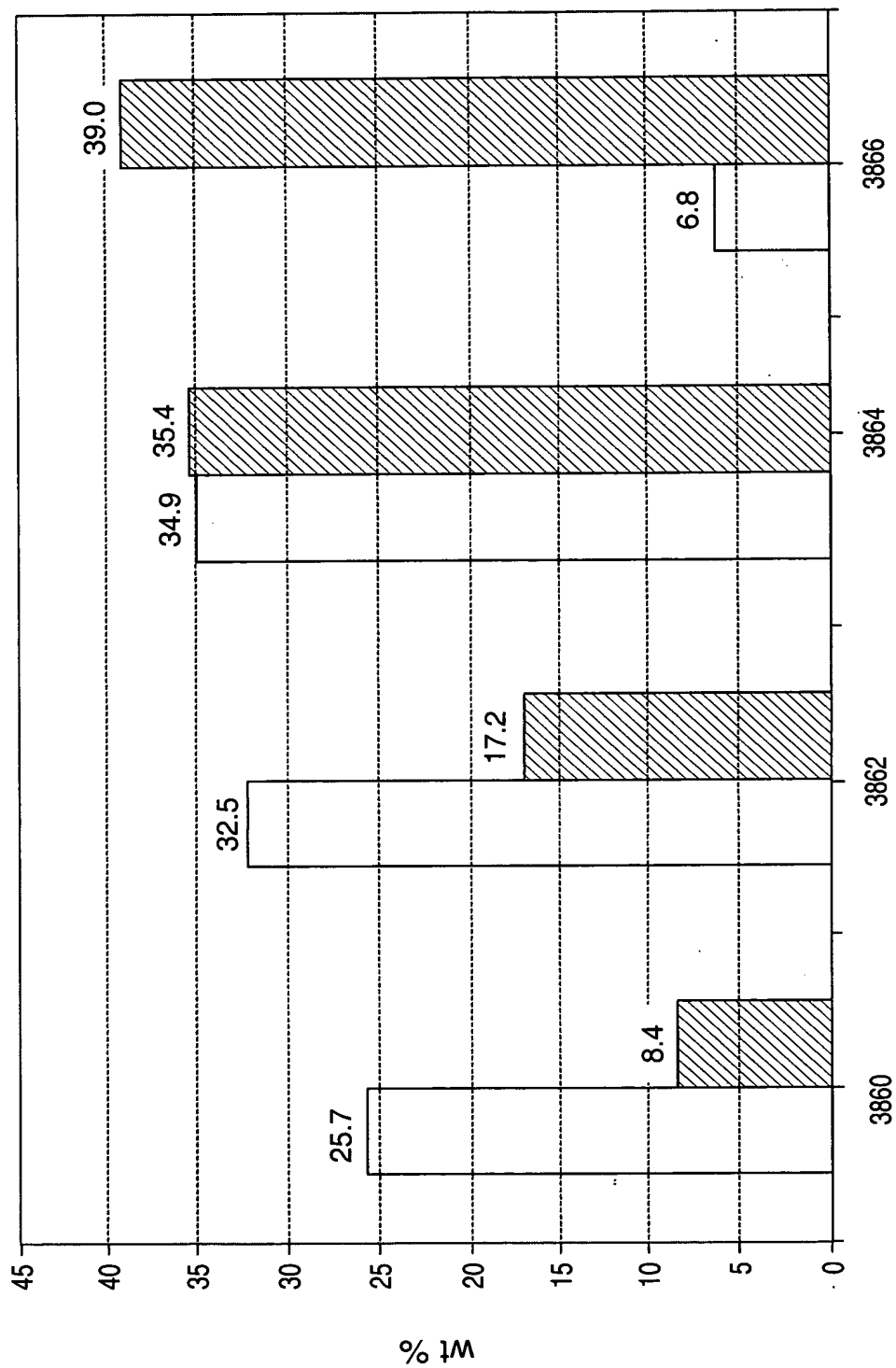


FIG. 143

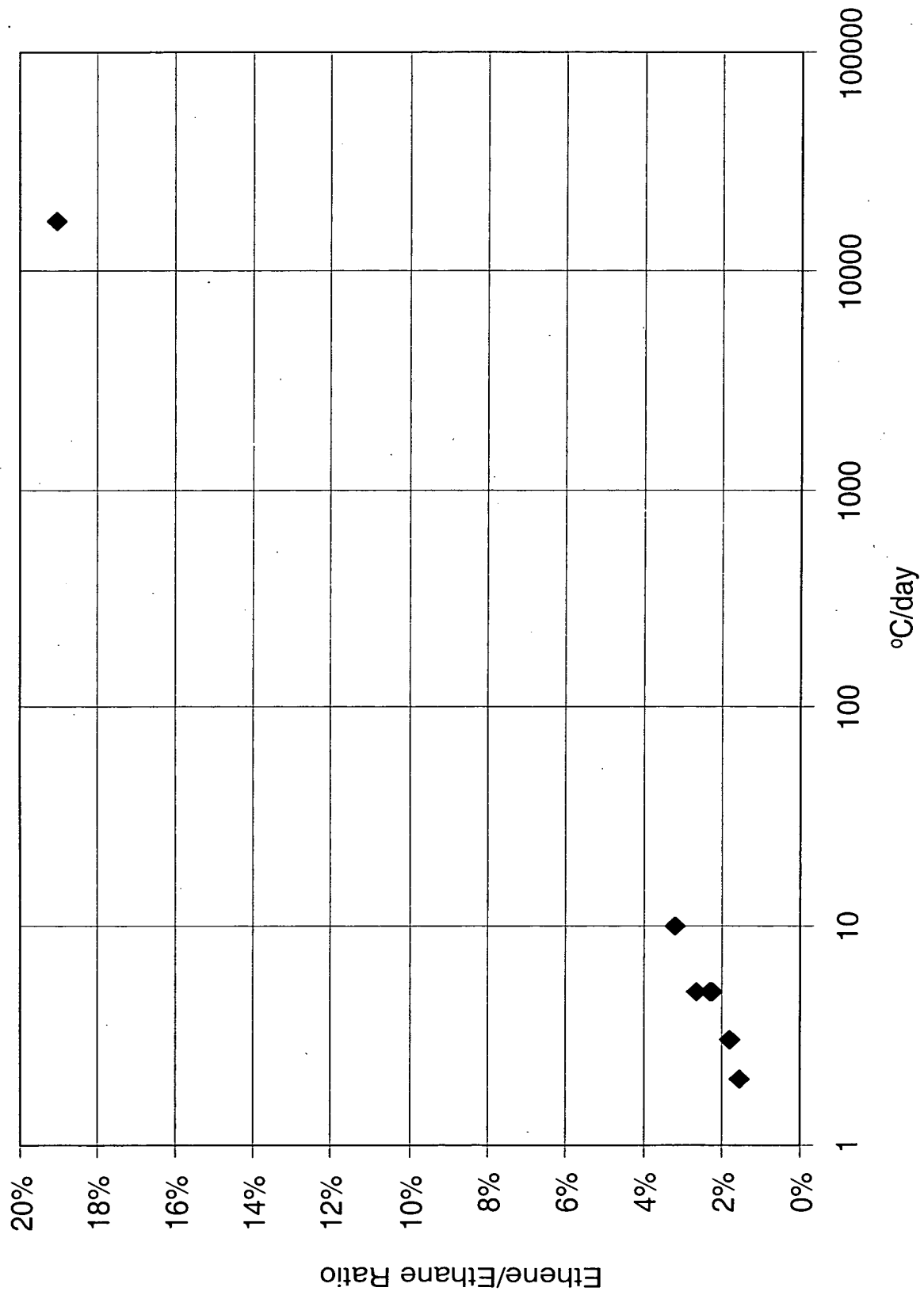


FIG. 144

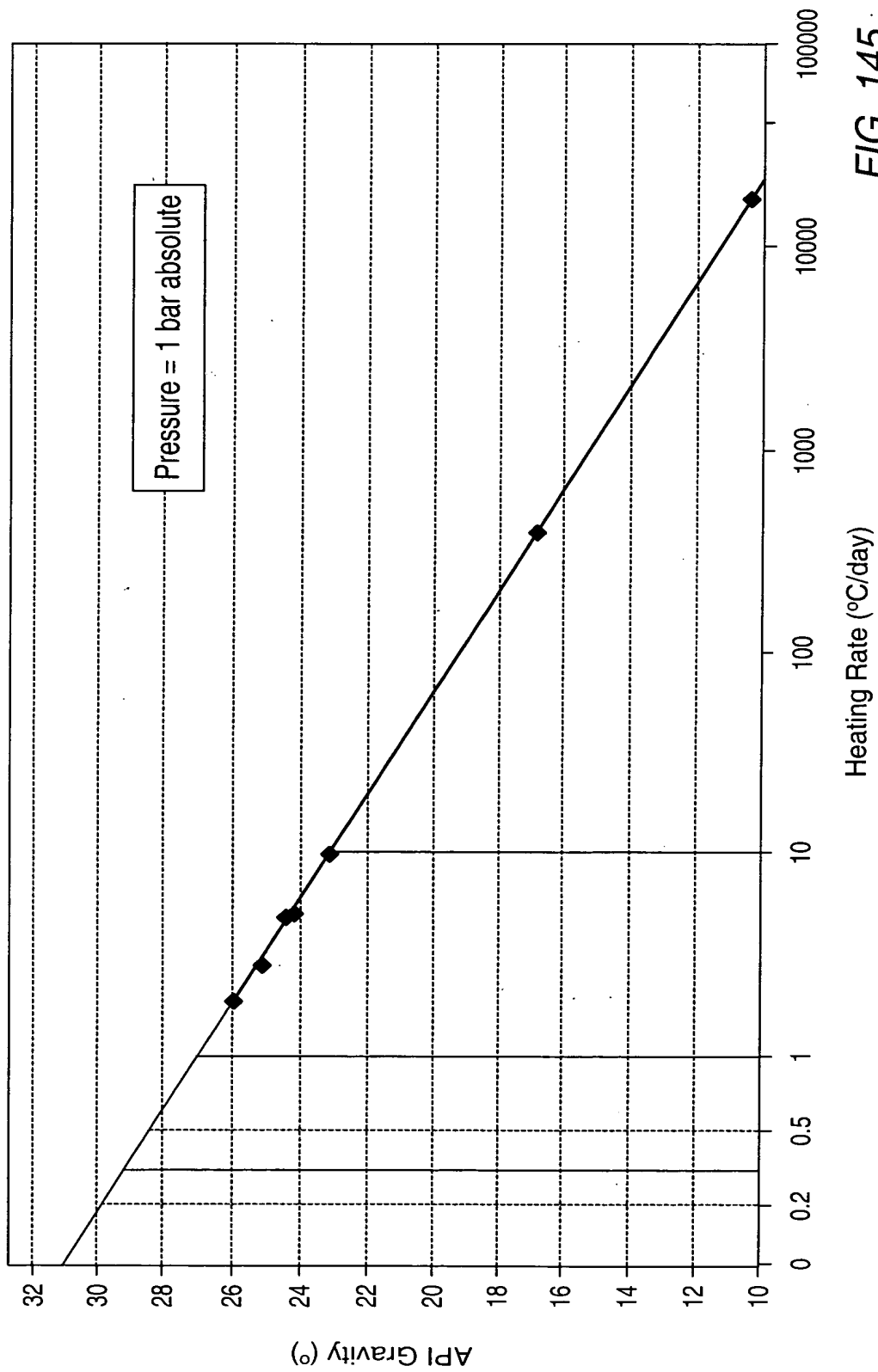


FIG. 145

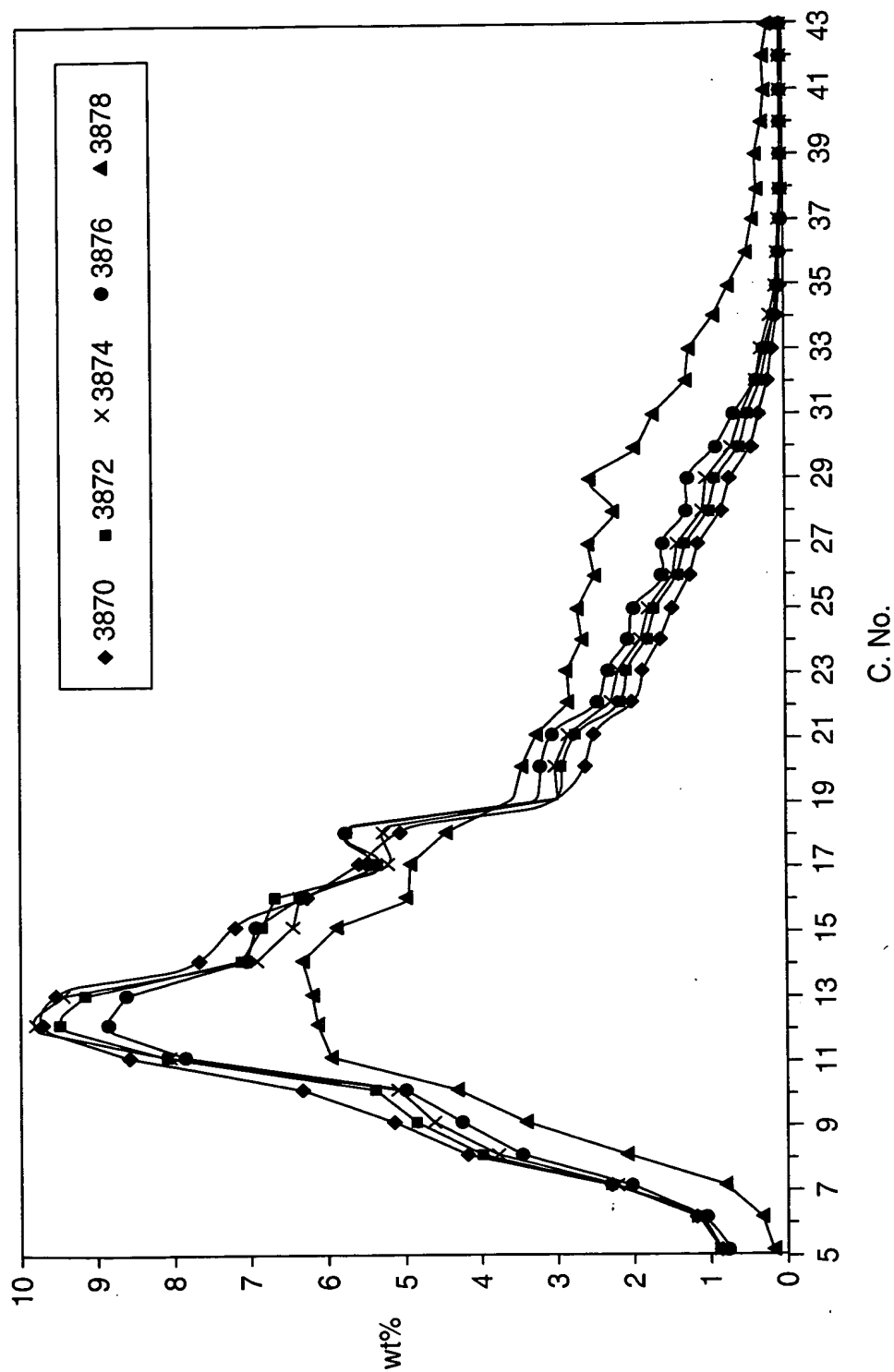


FIG. 146

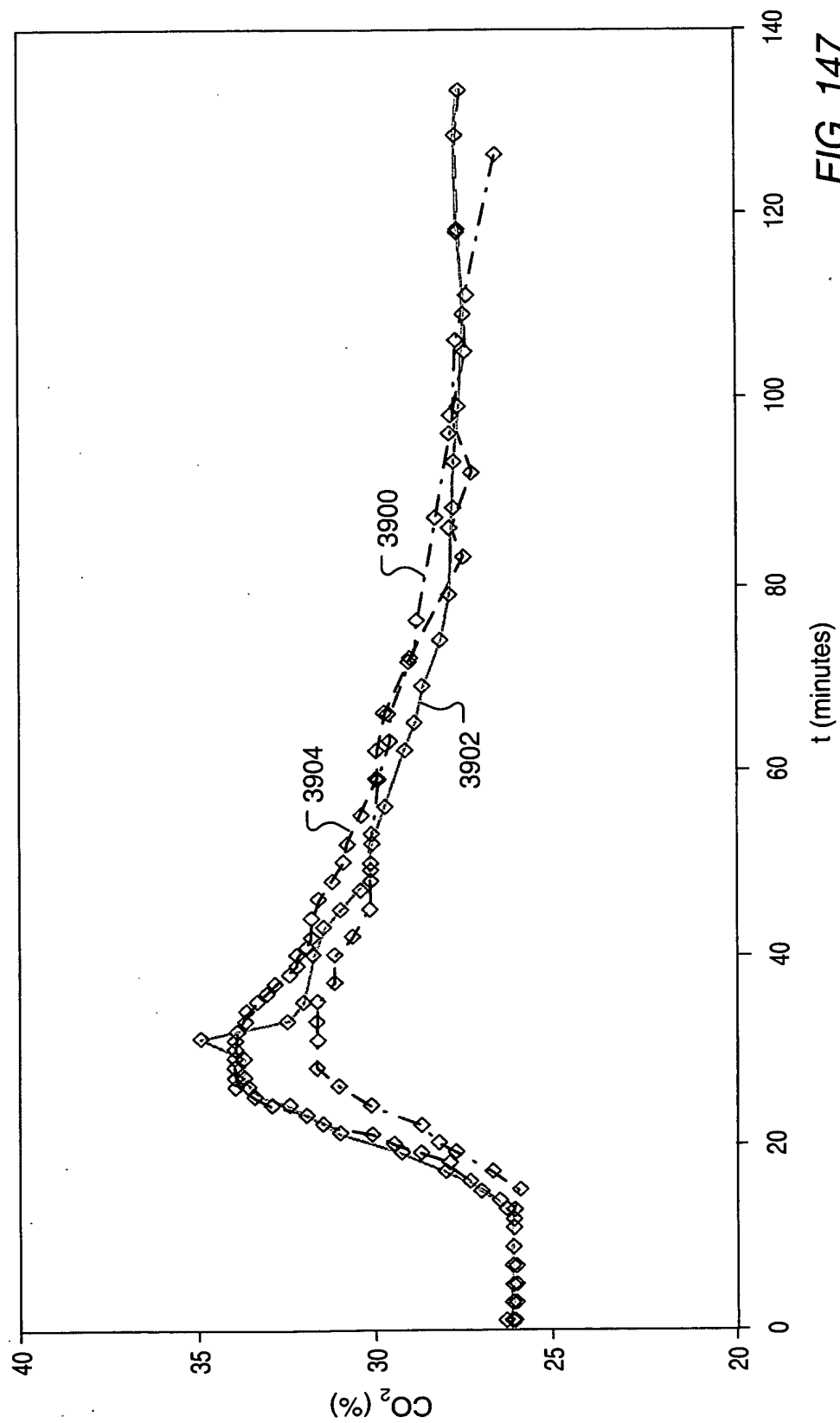


FIG. 147



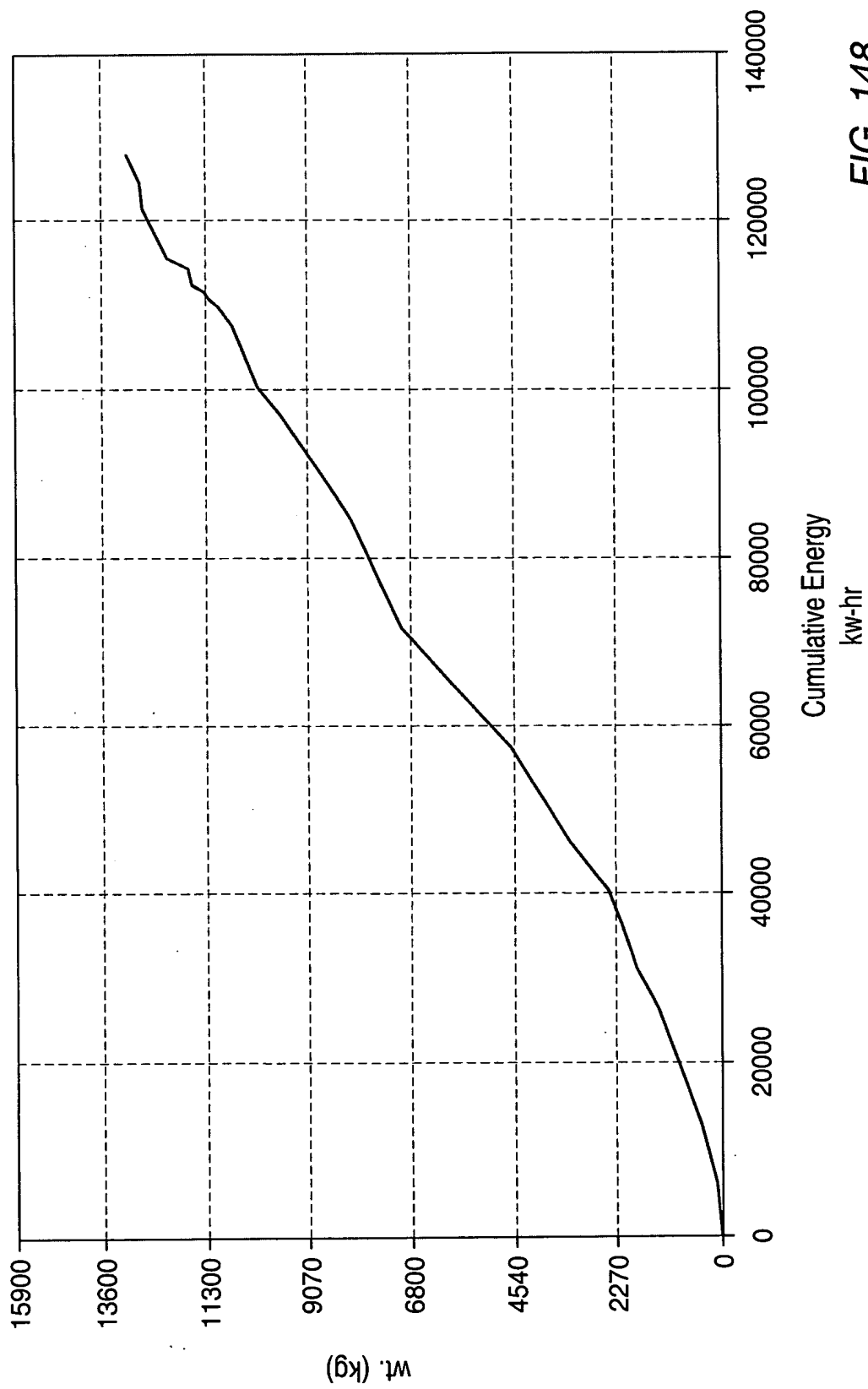


FIG. 148

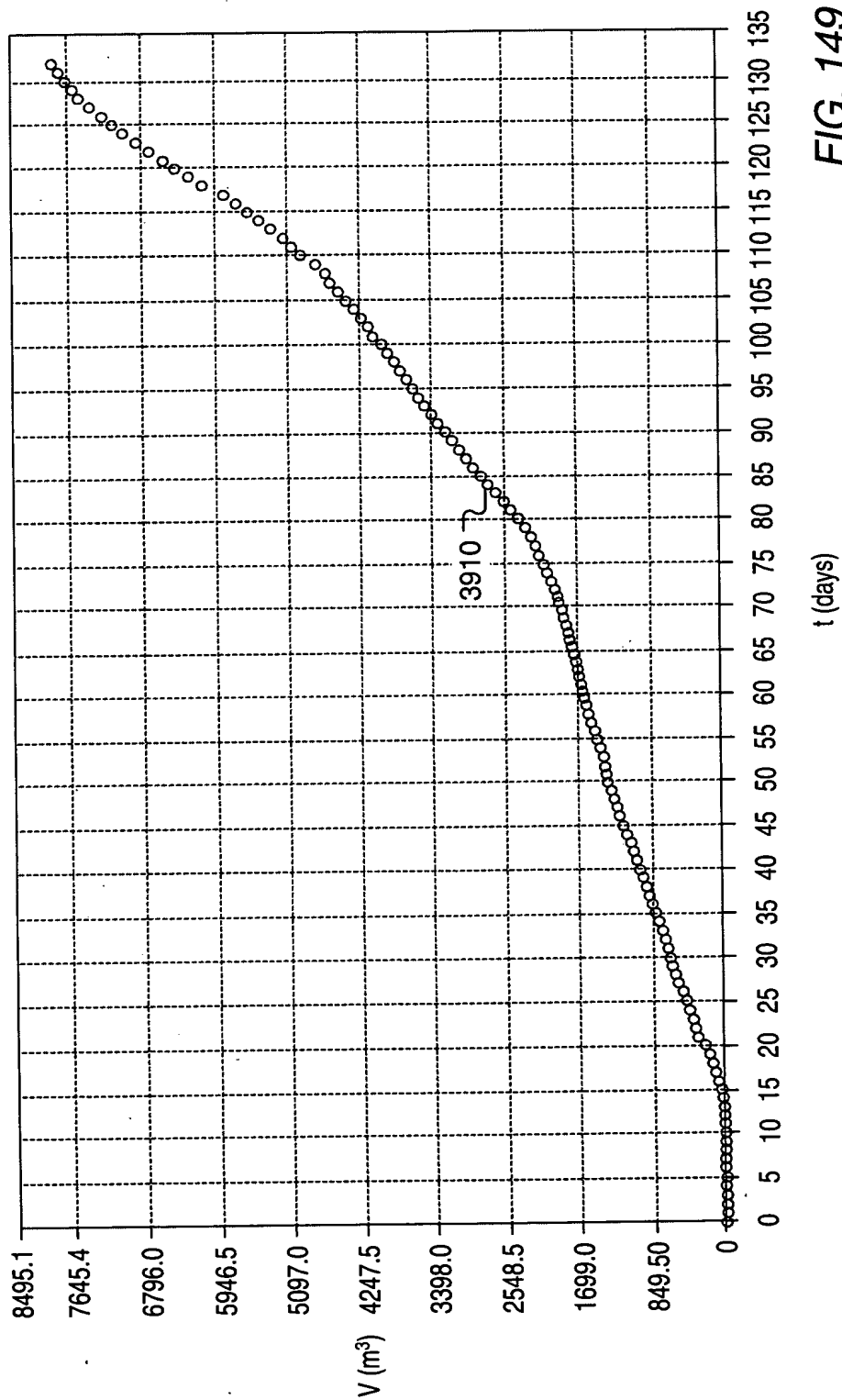


FIG. 149

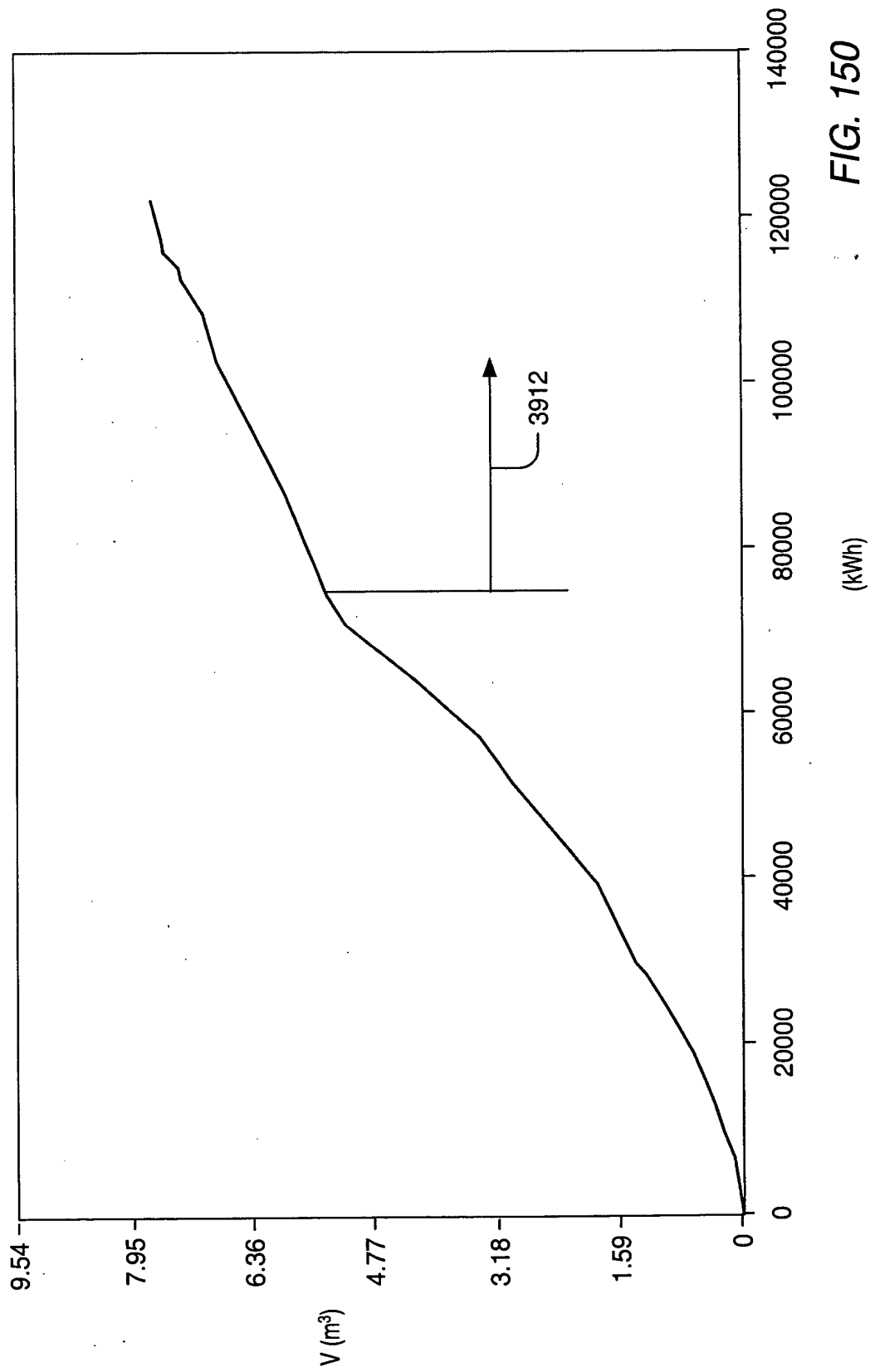


FIG. 150

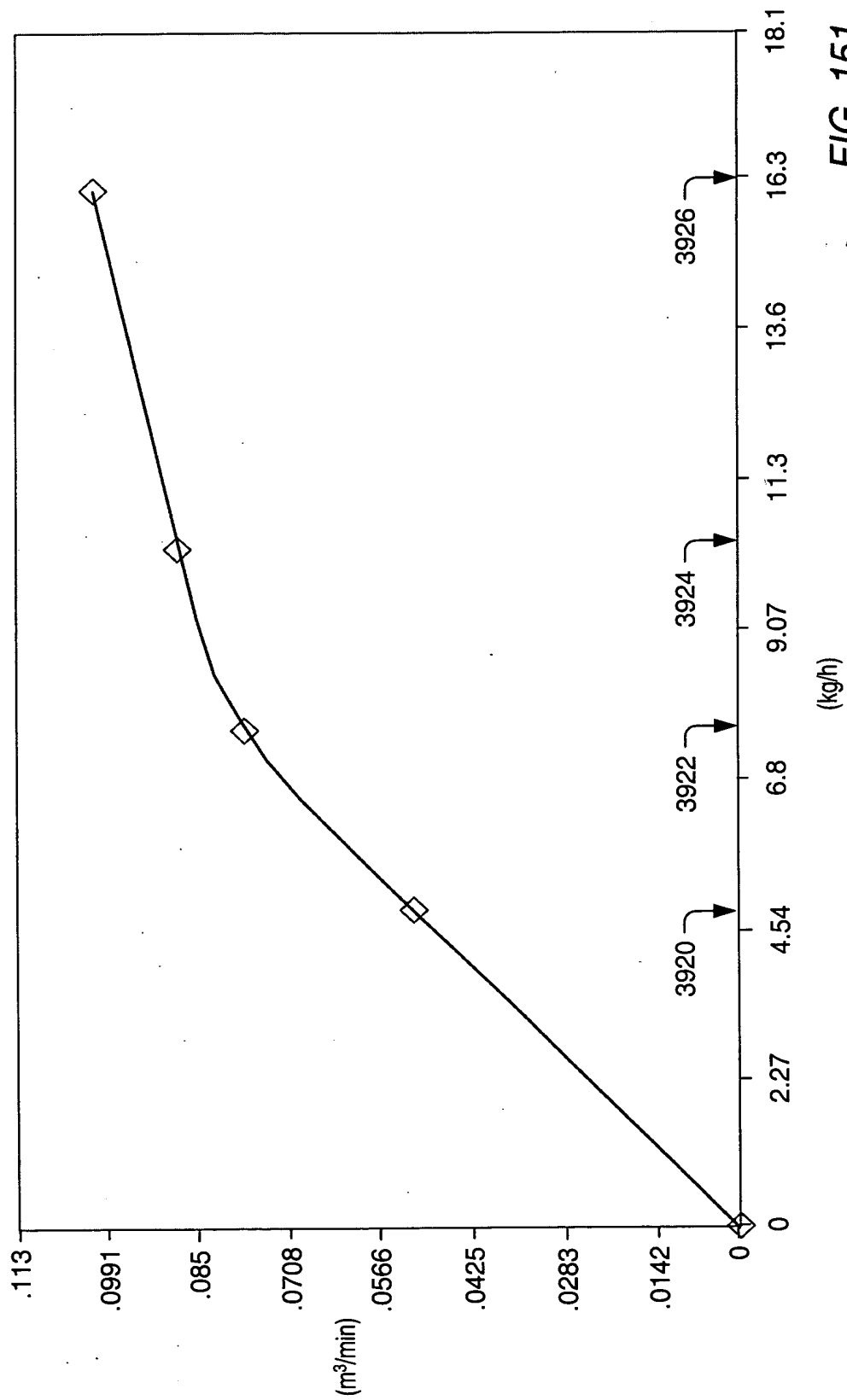


FIG. 151

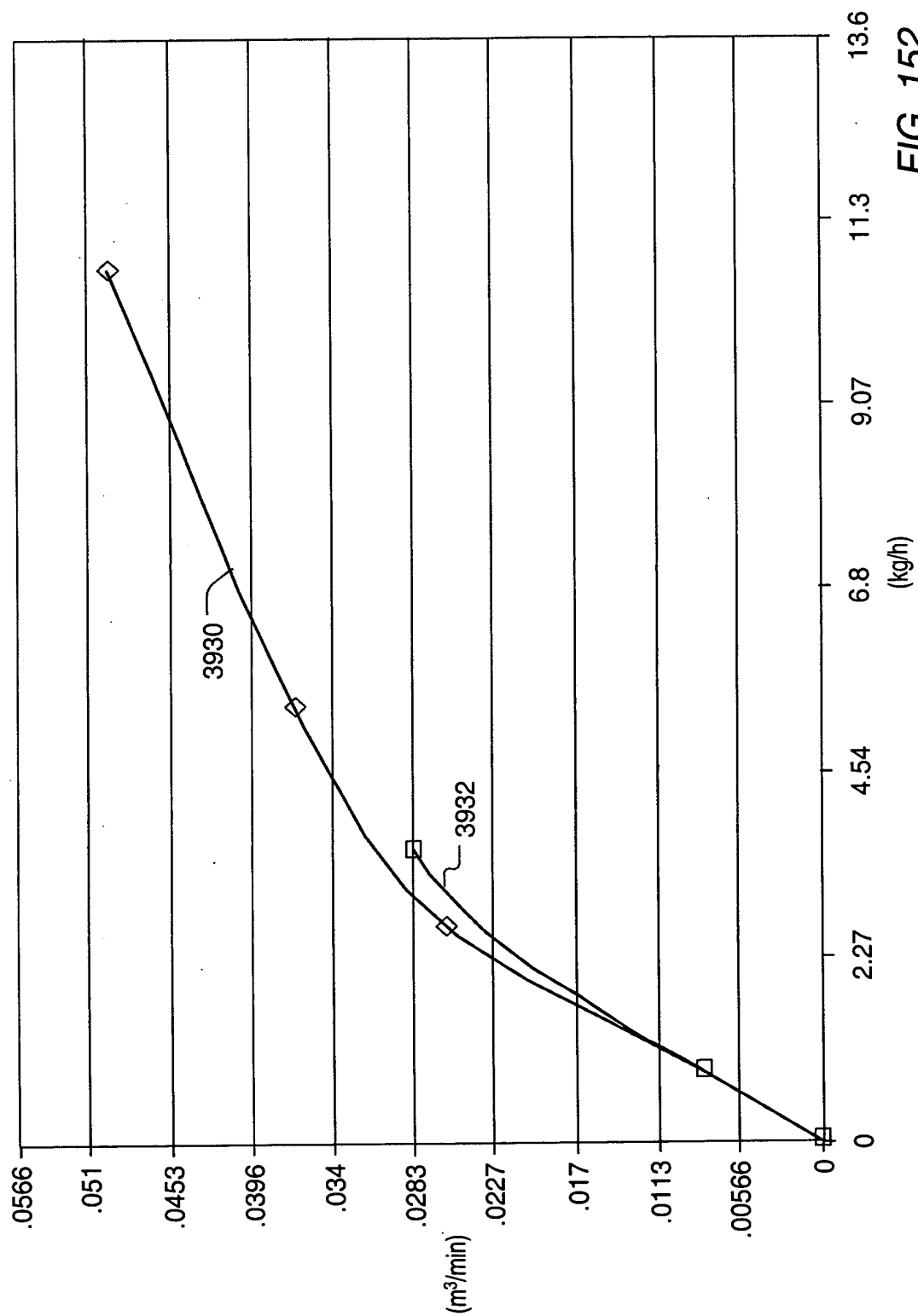


FIG. 152

66274350

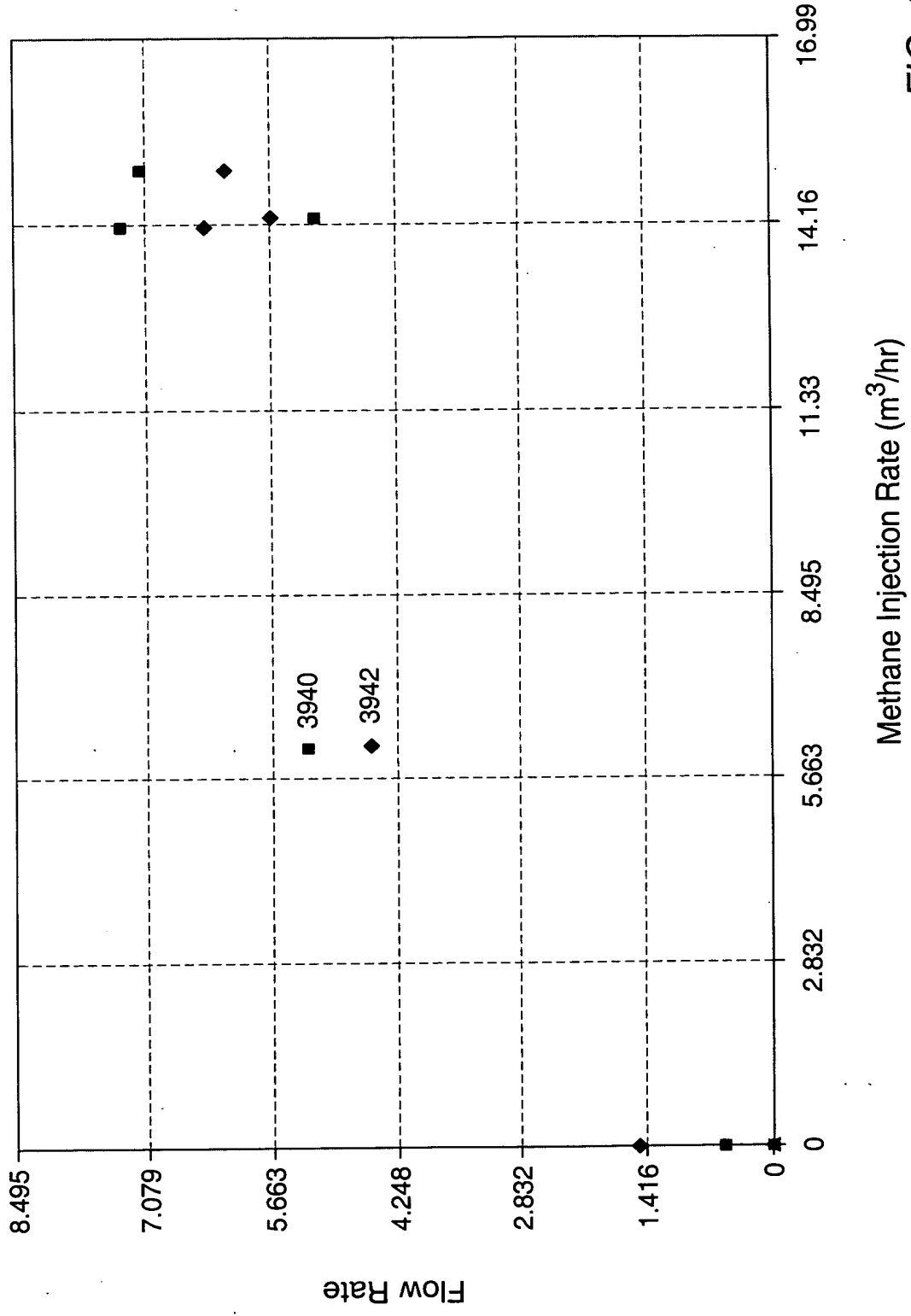


FIG. 153

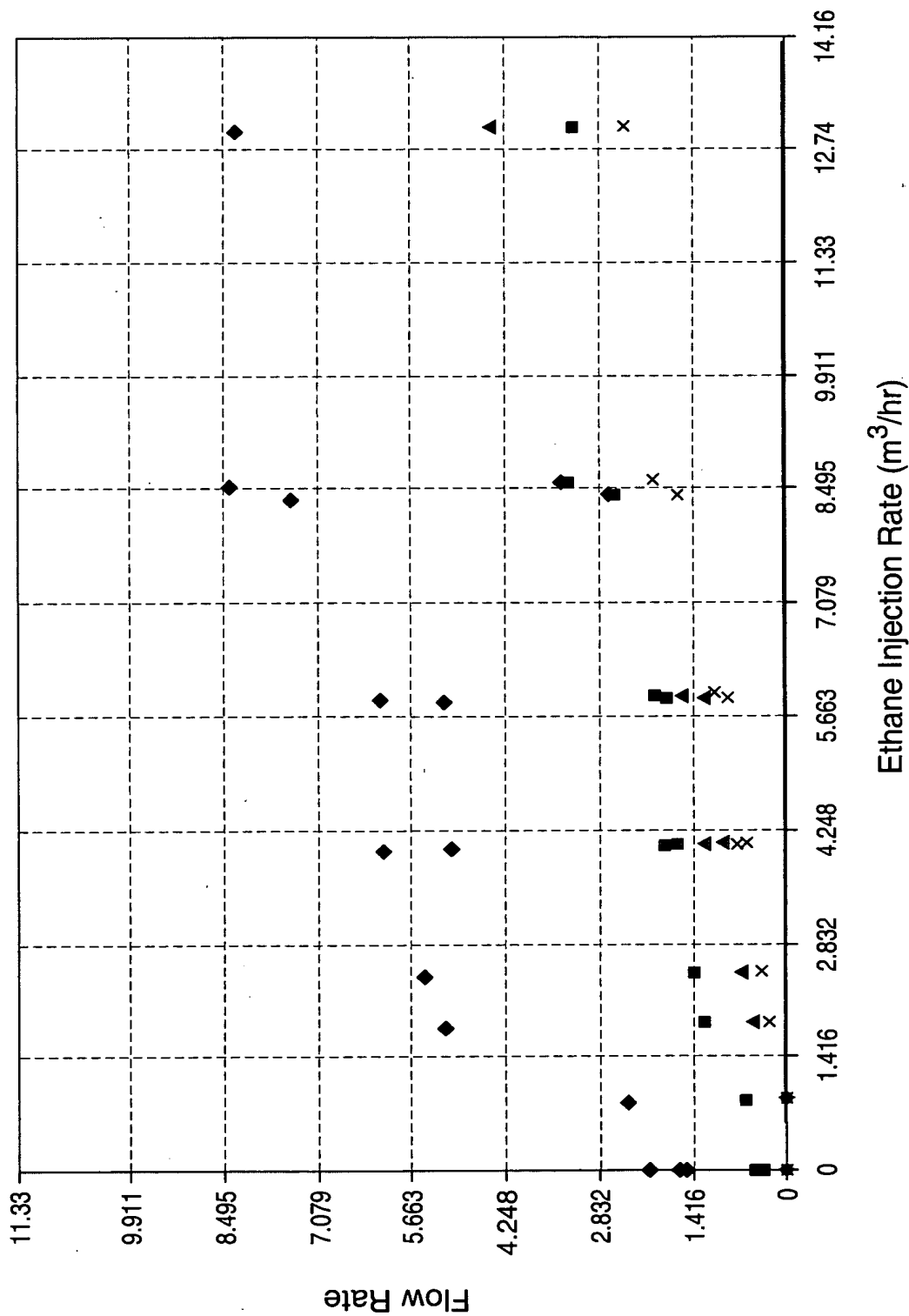


FIG. 154

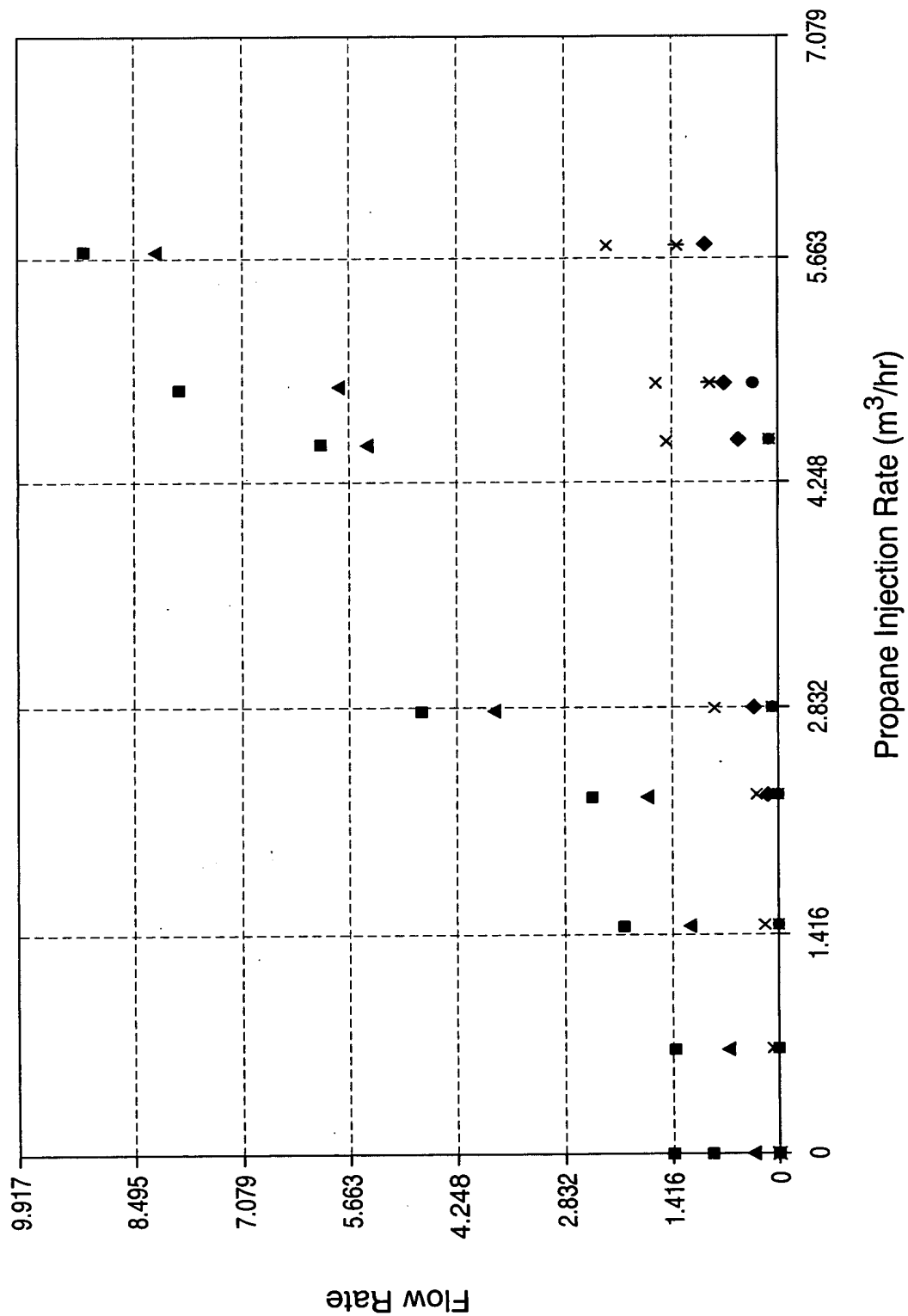


FIG. 155



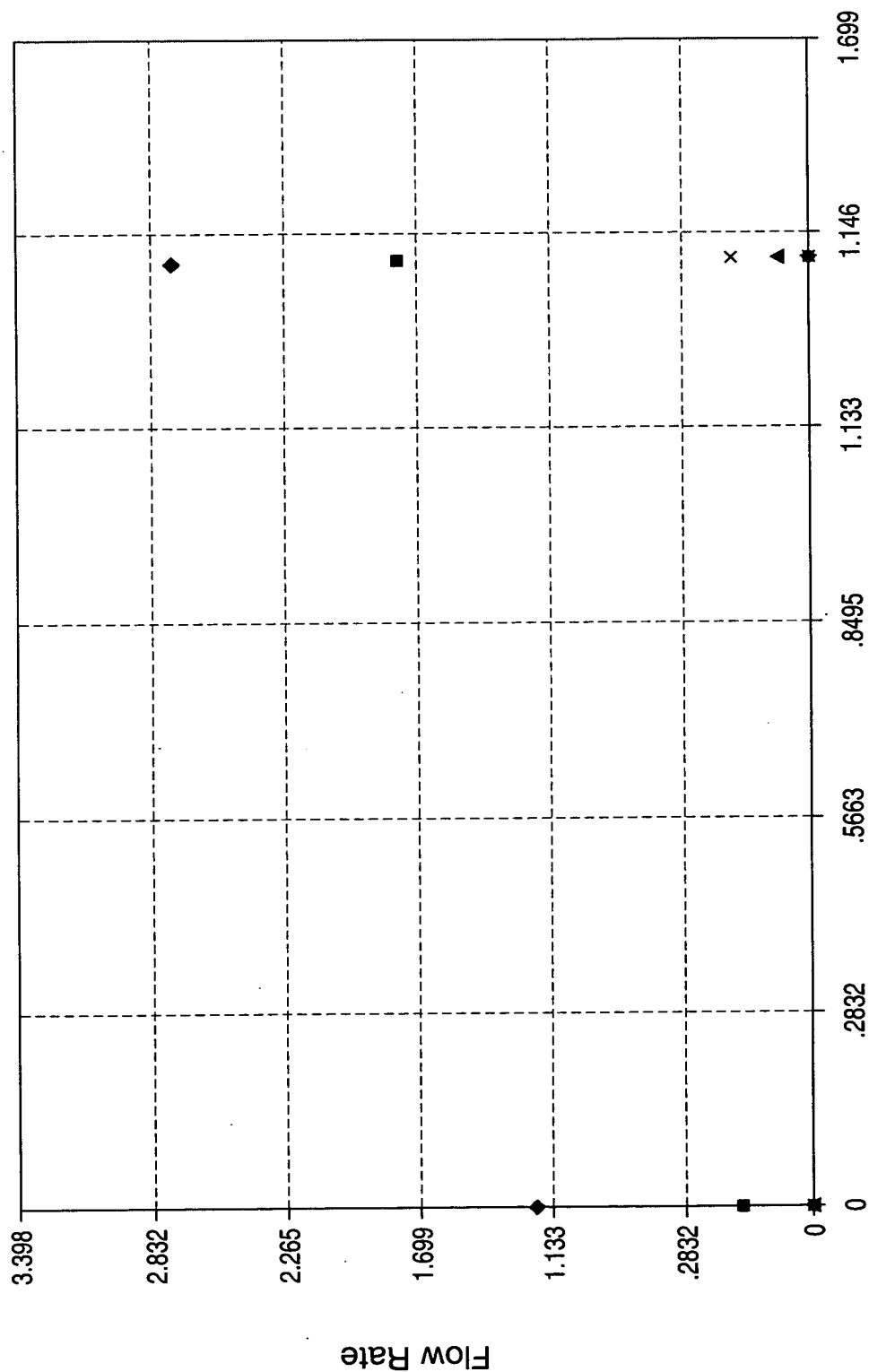


FIG. 156

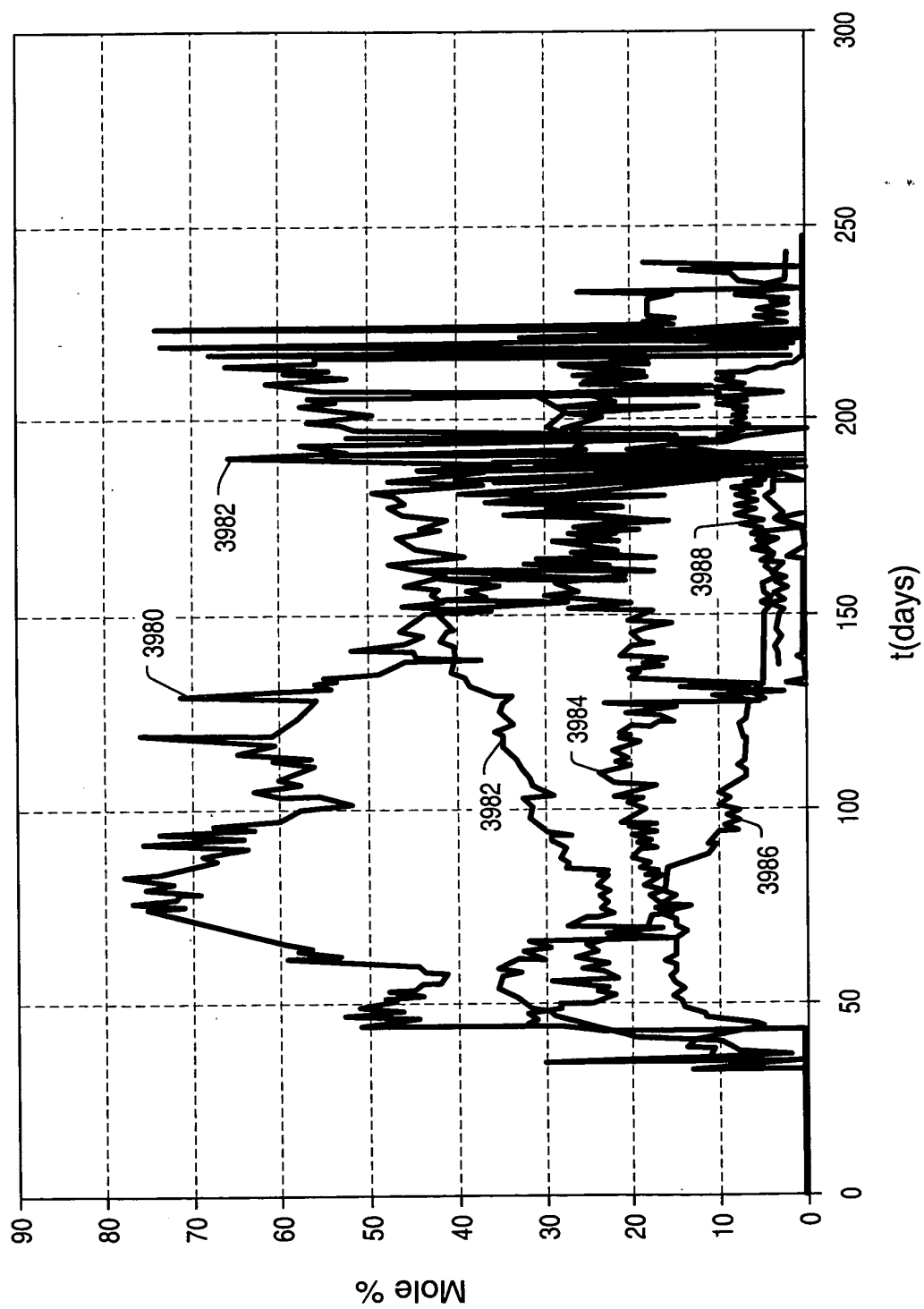


FIG. 157

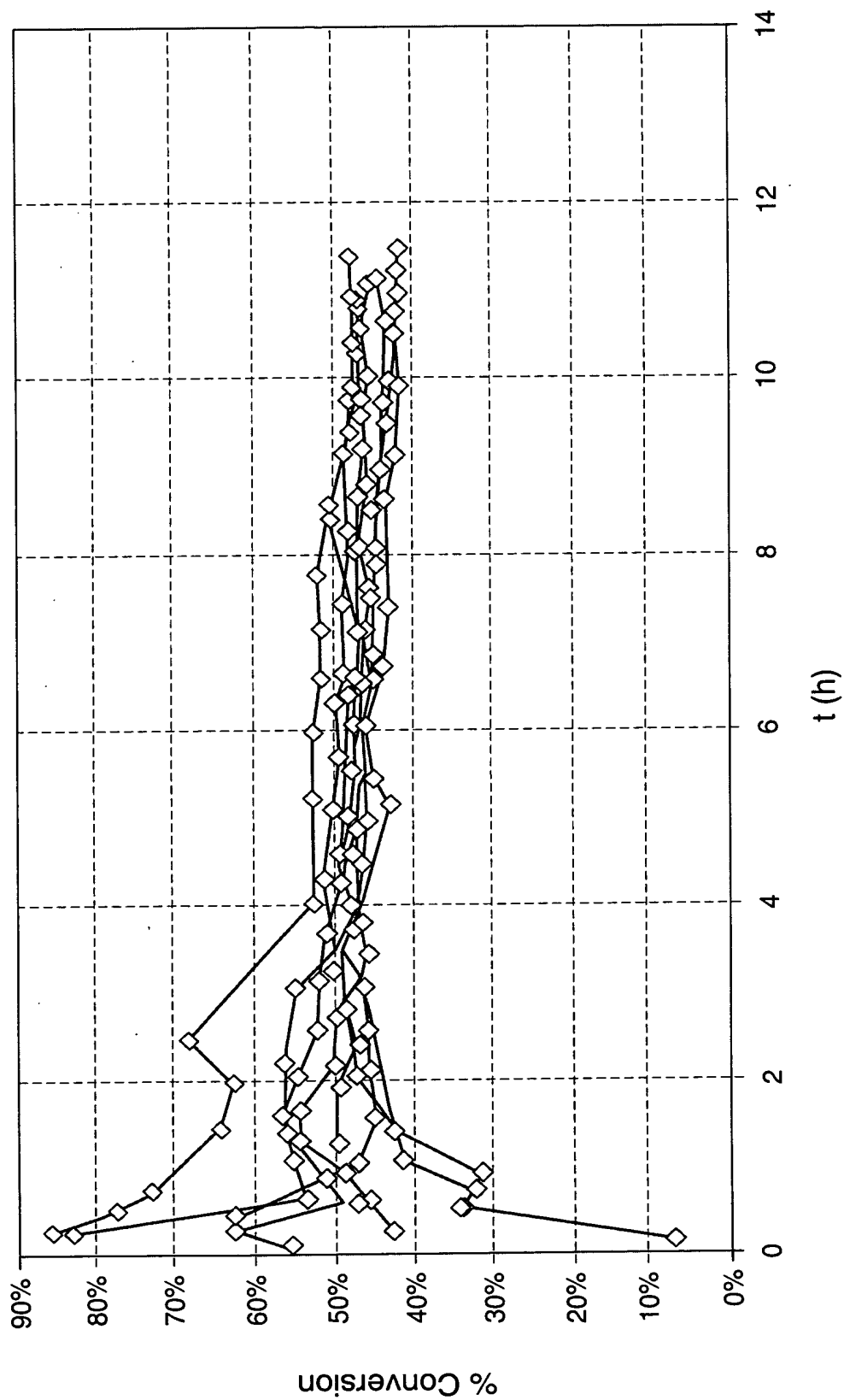


FIG. 158

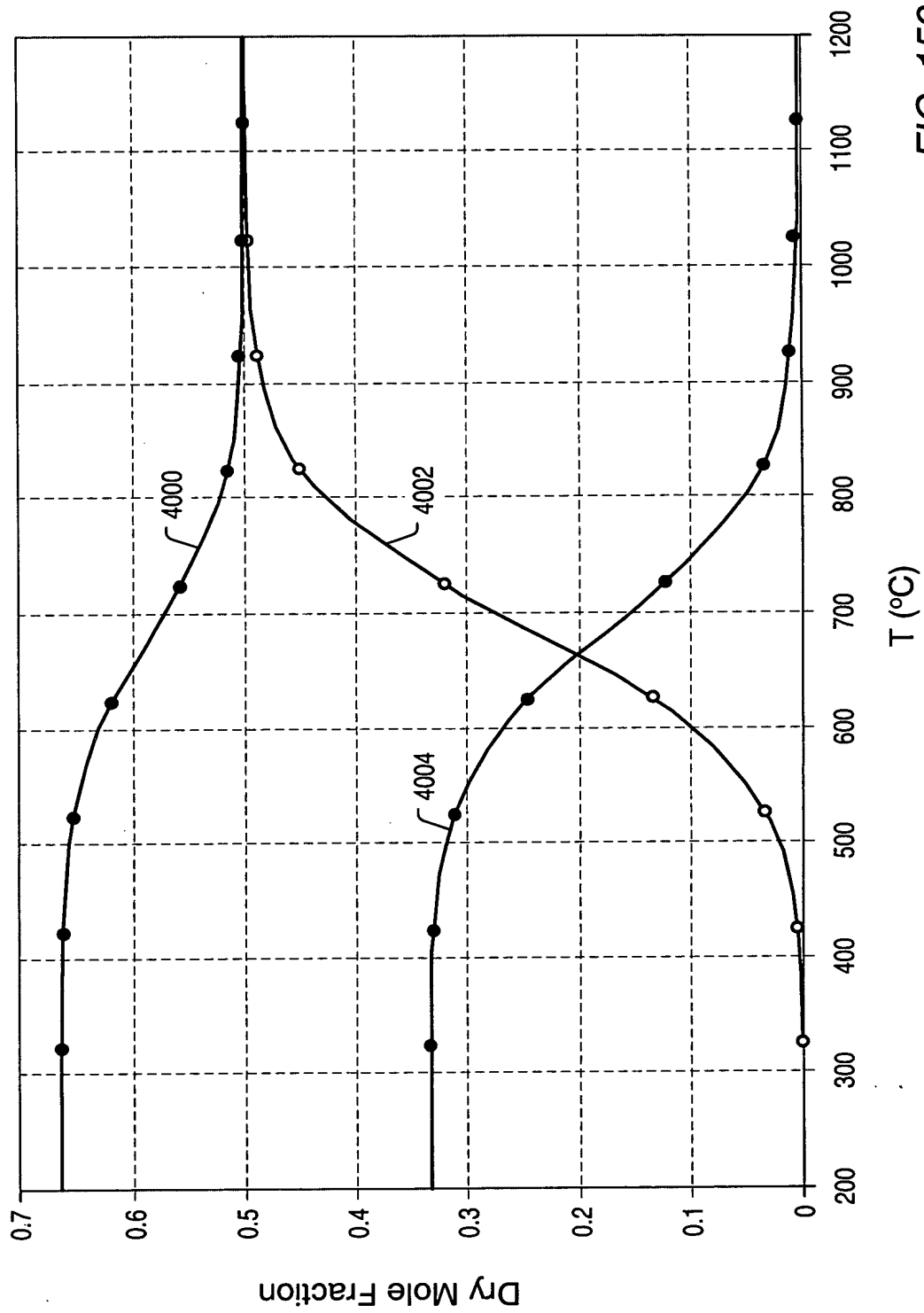


FIG. 159

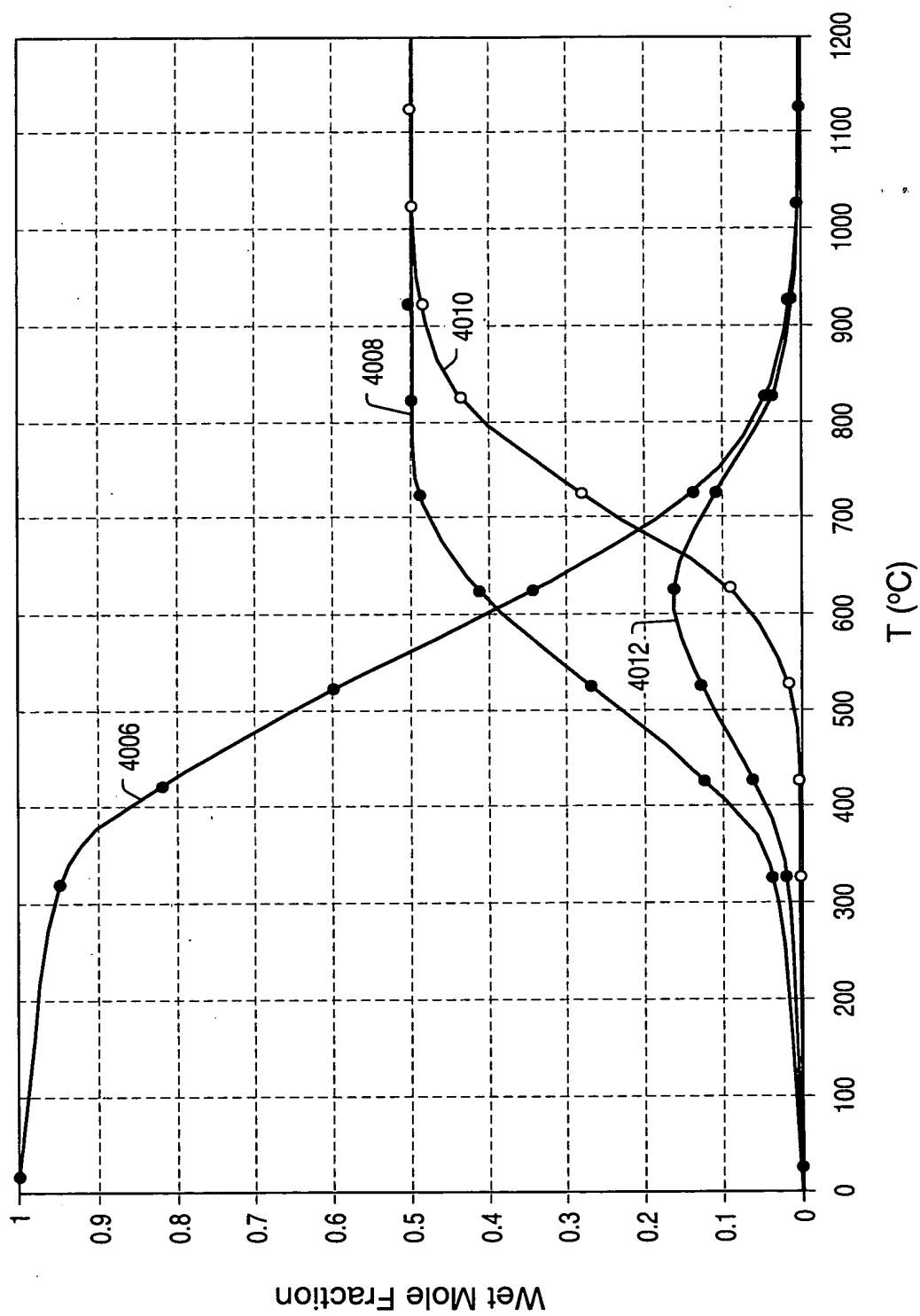


FIG. 160

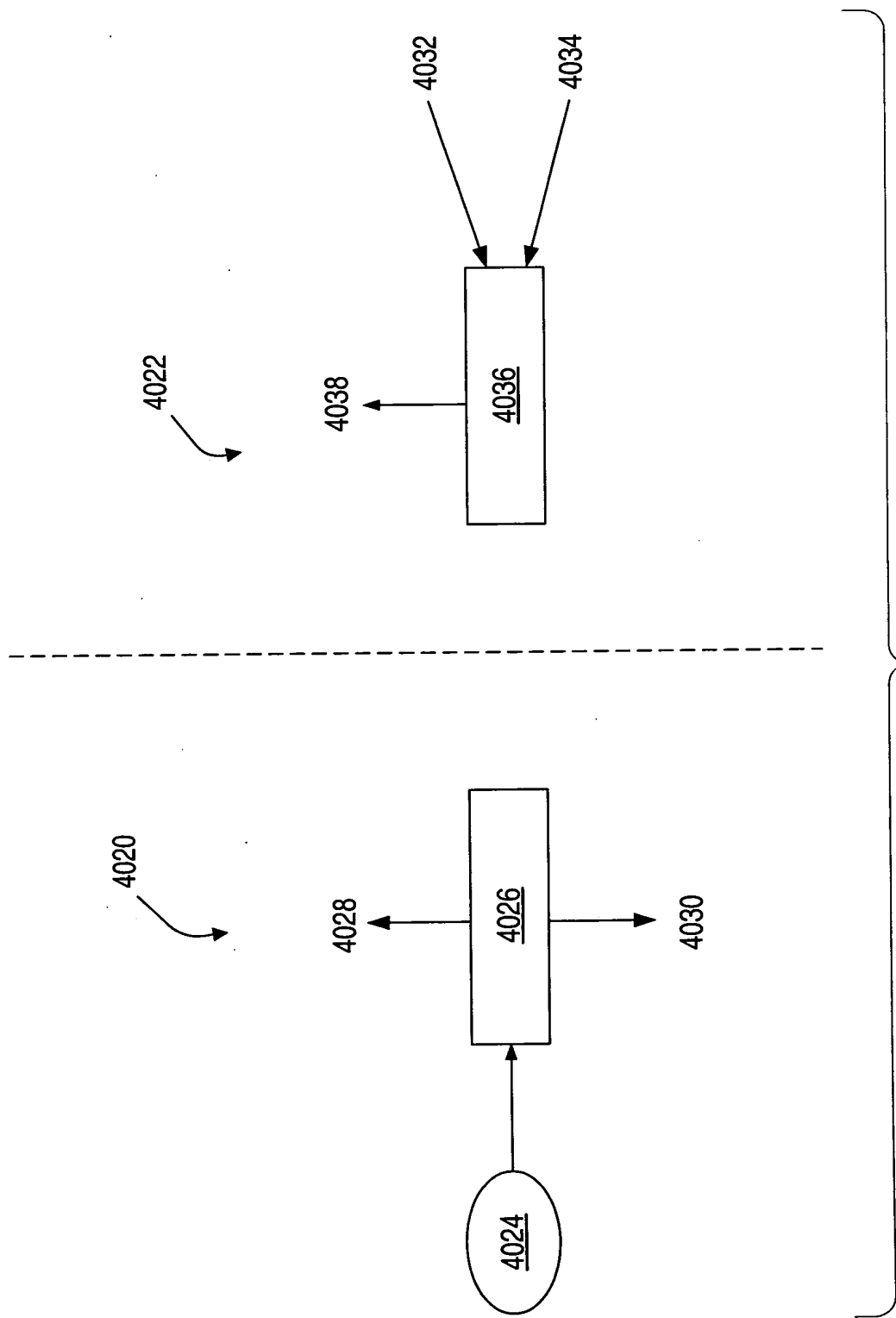


FIG. 161

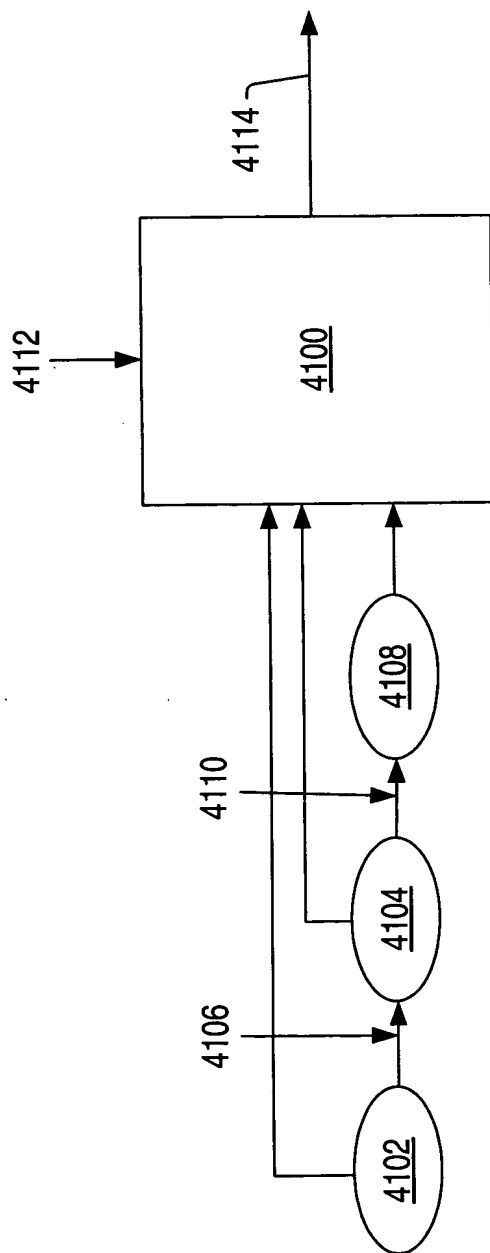


FIG. 162

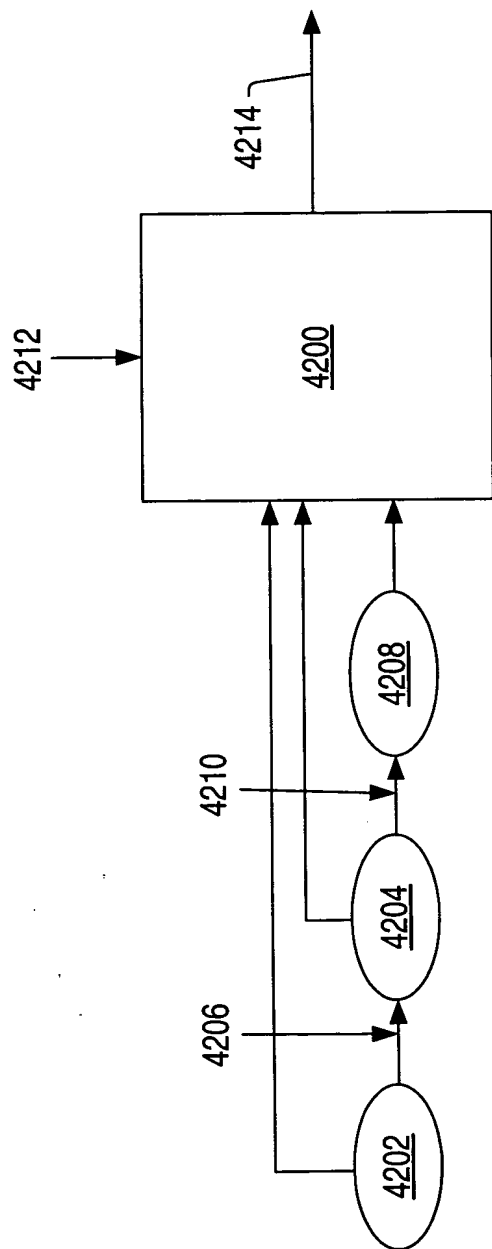


FIG. 163



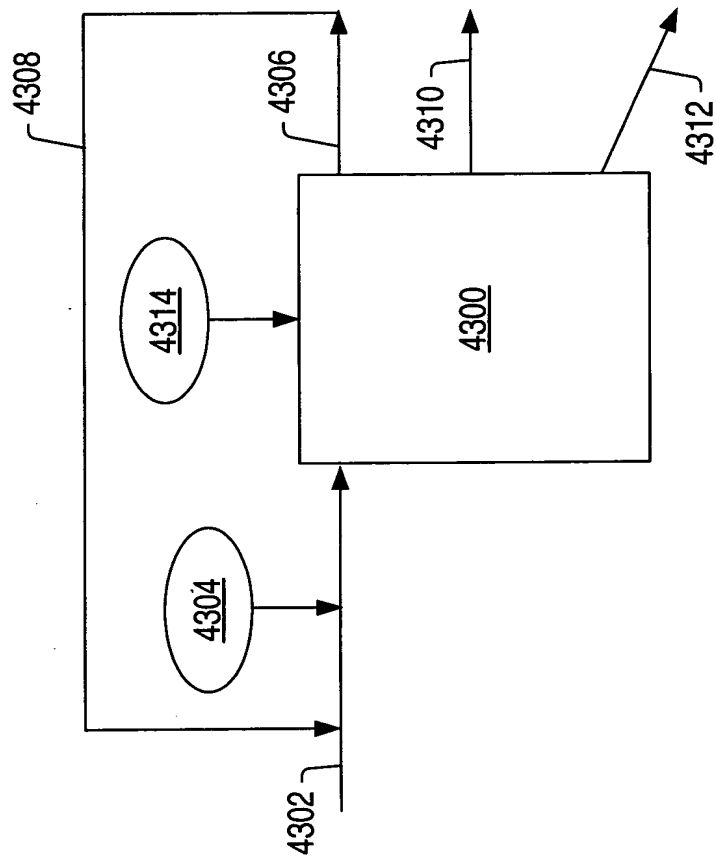


FIG. 164

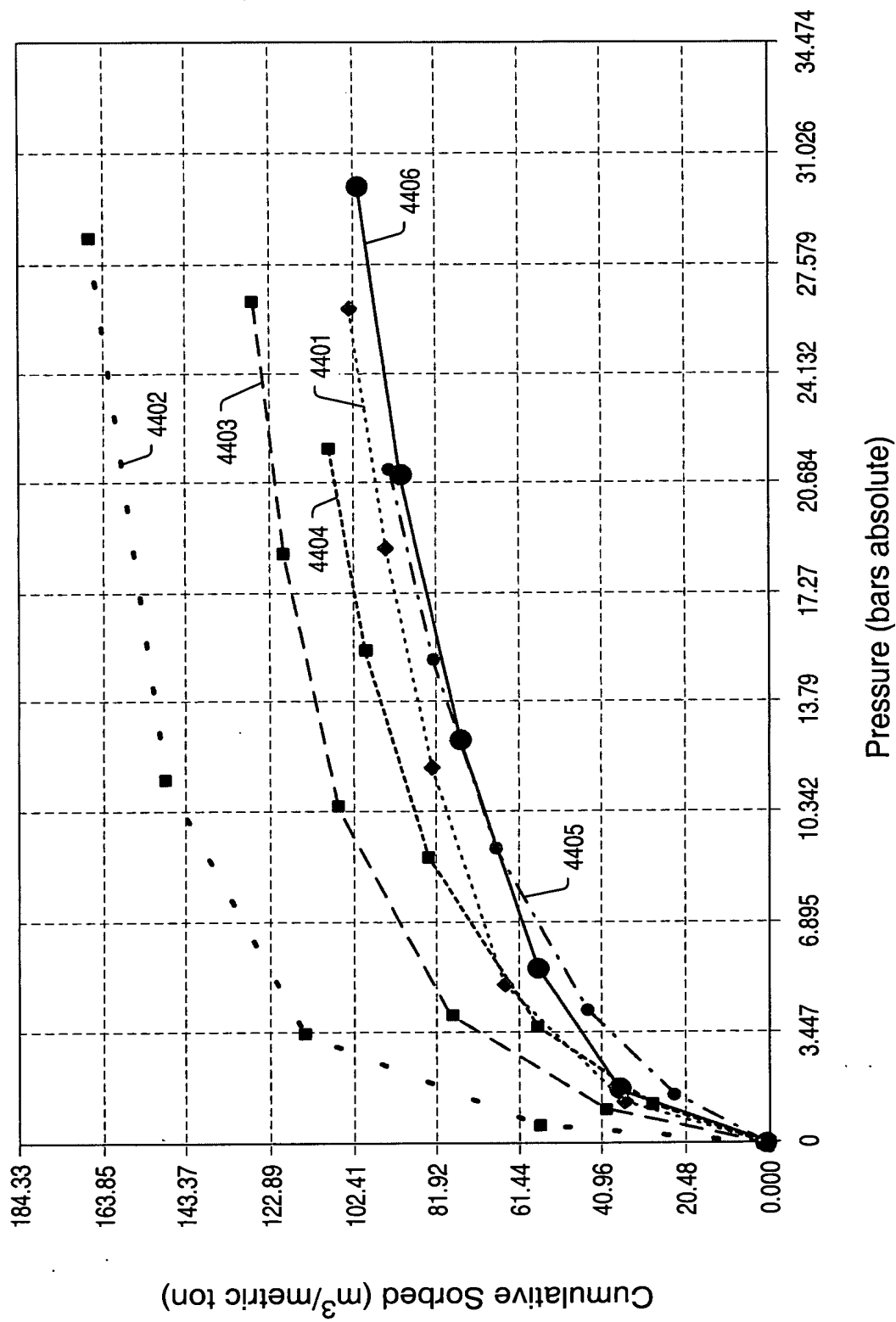


FIG. 165

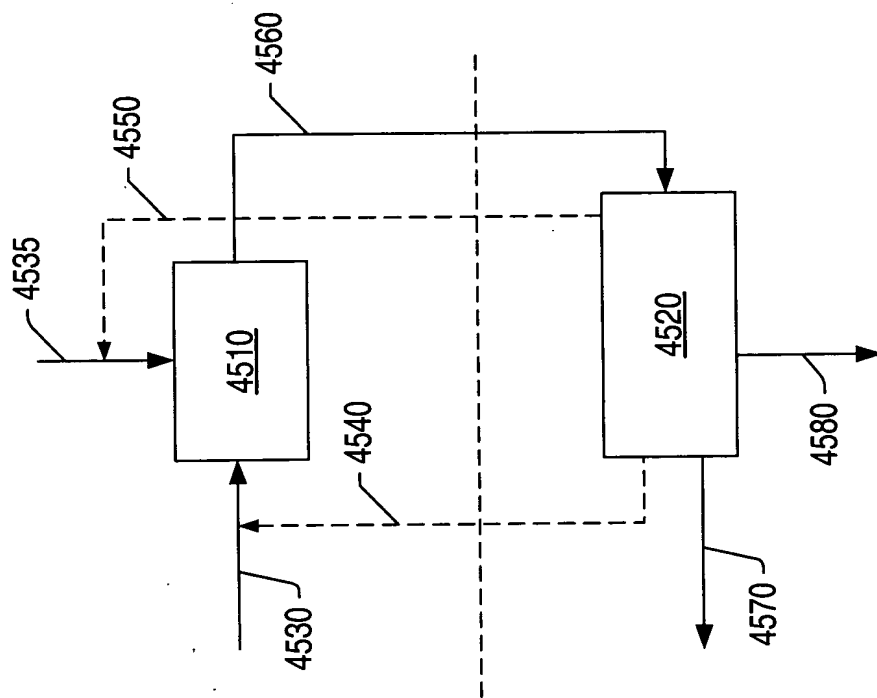


FIG. 166

FIG. 167

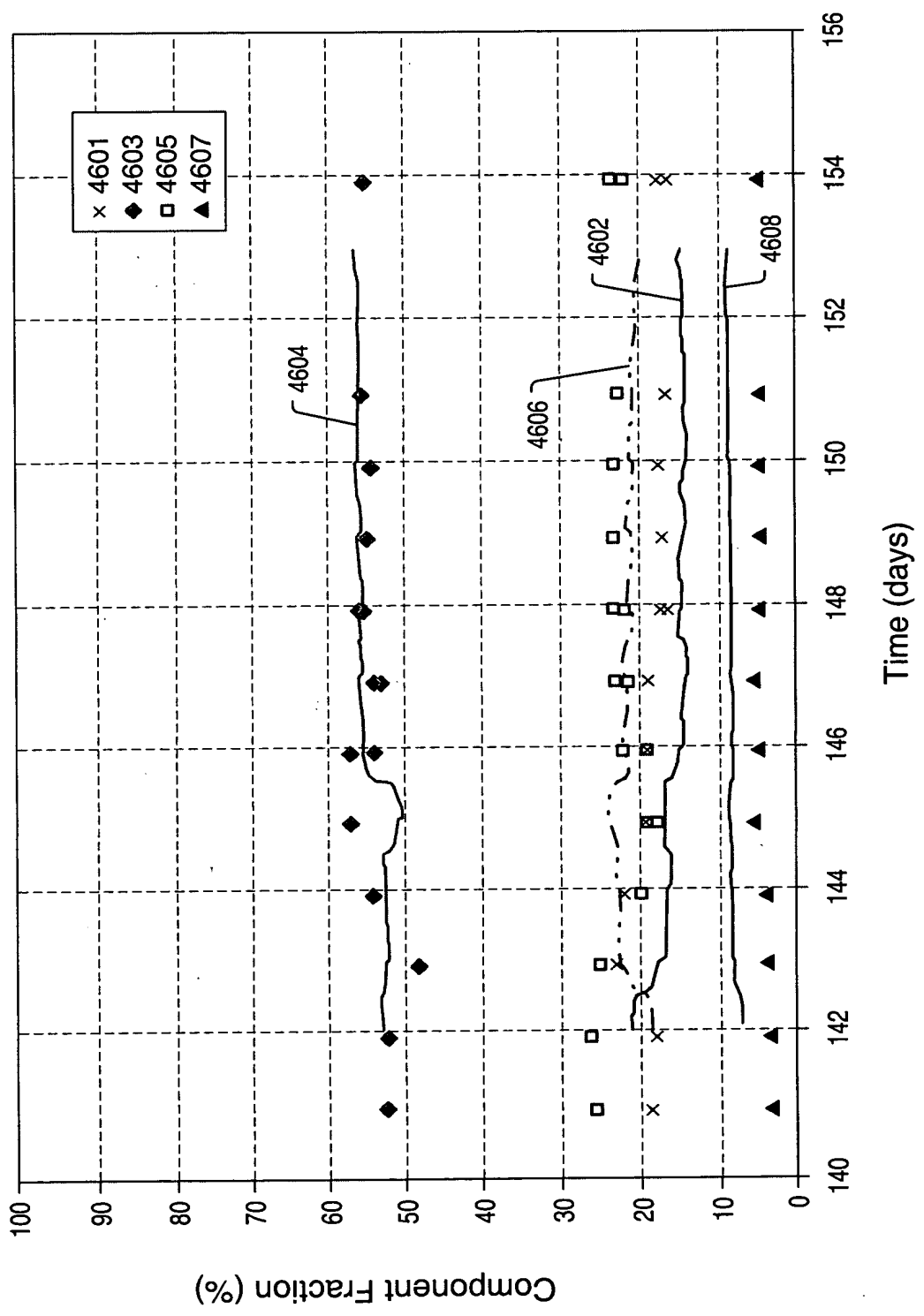


FIG. 167

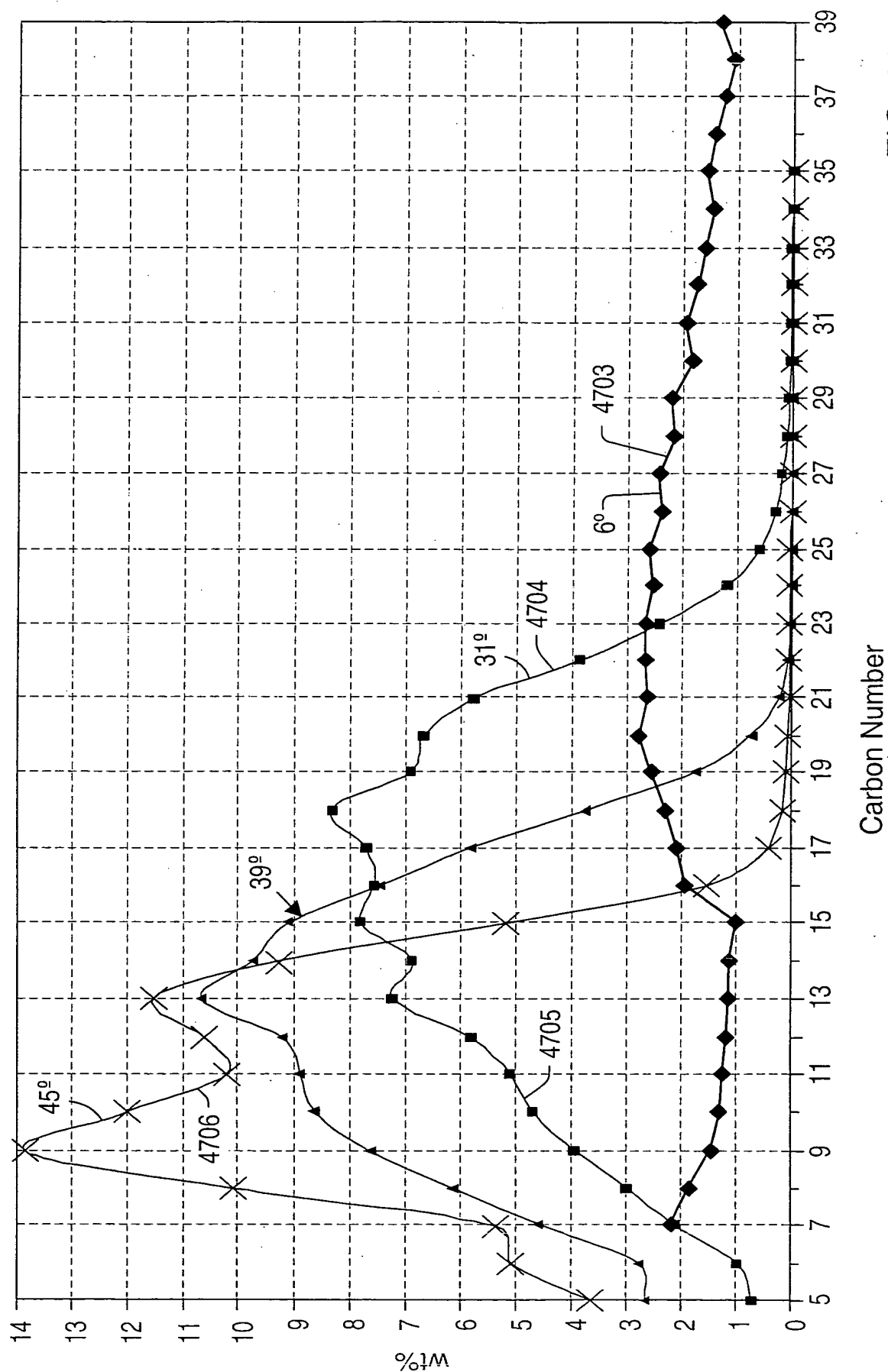


FIG. 168

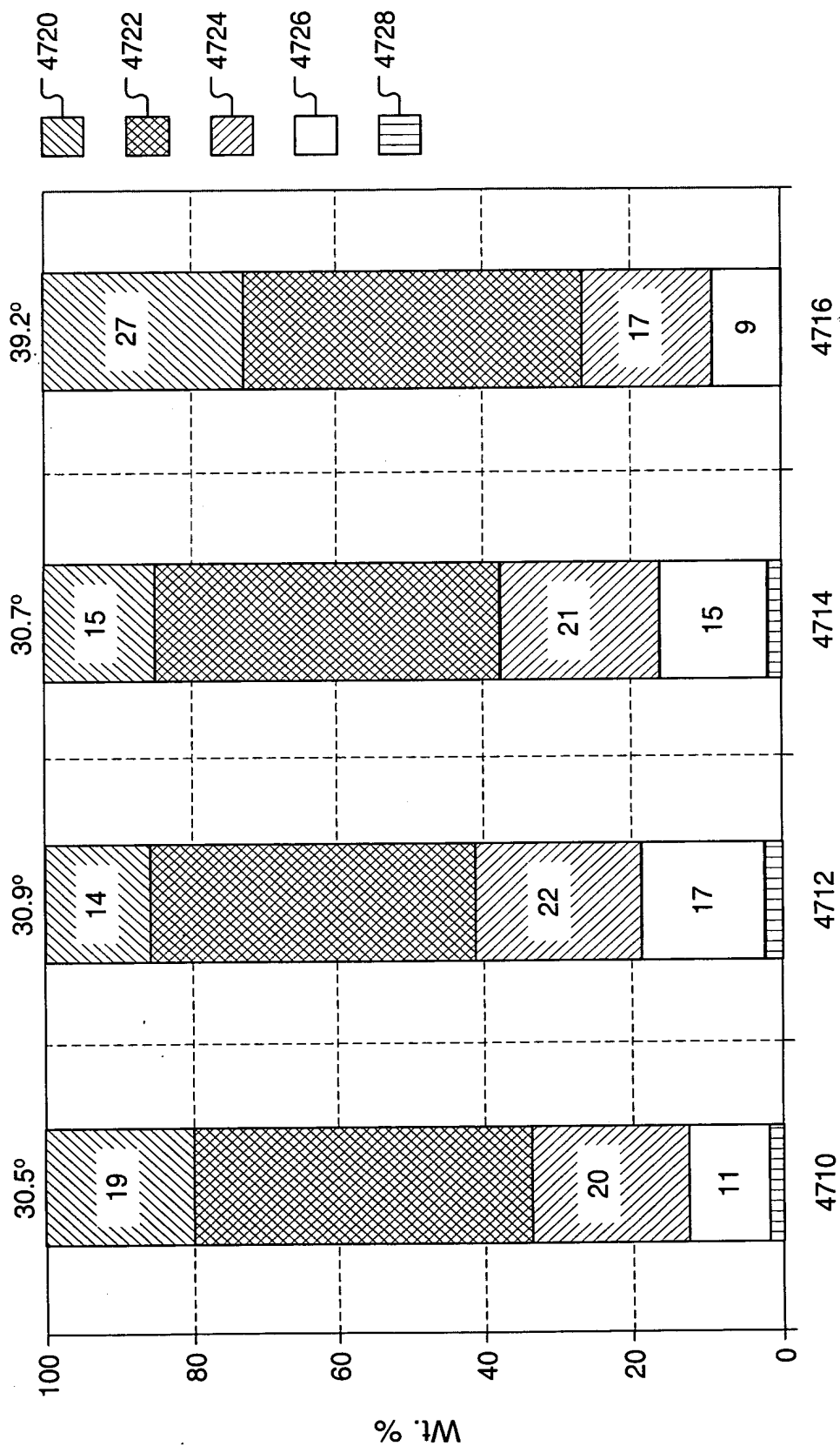


FIG. 169



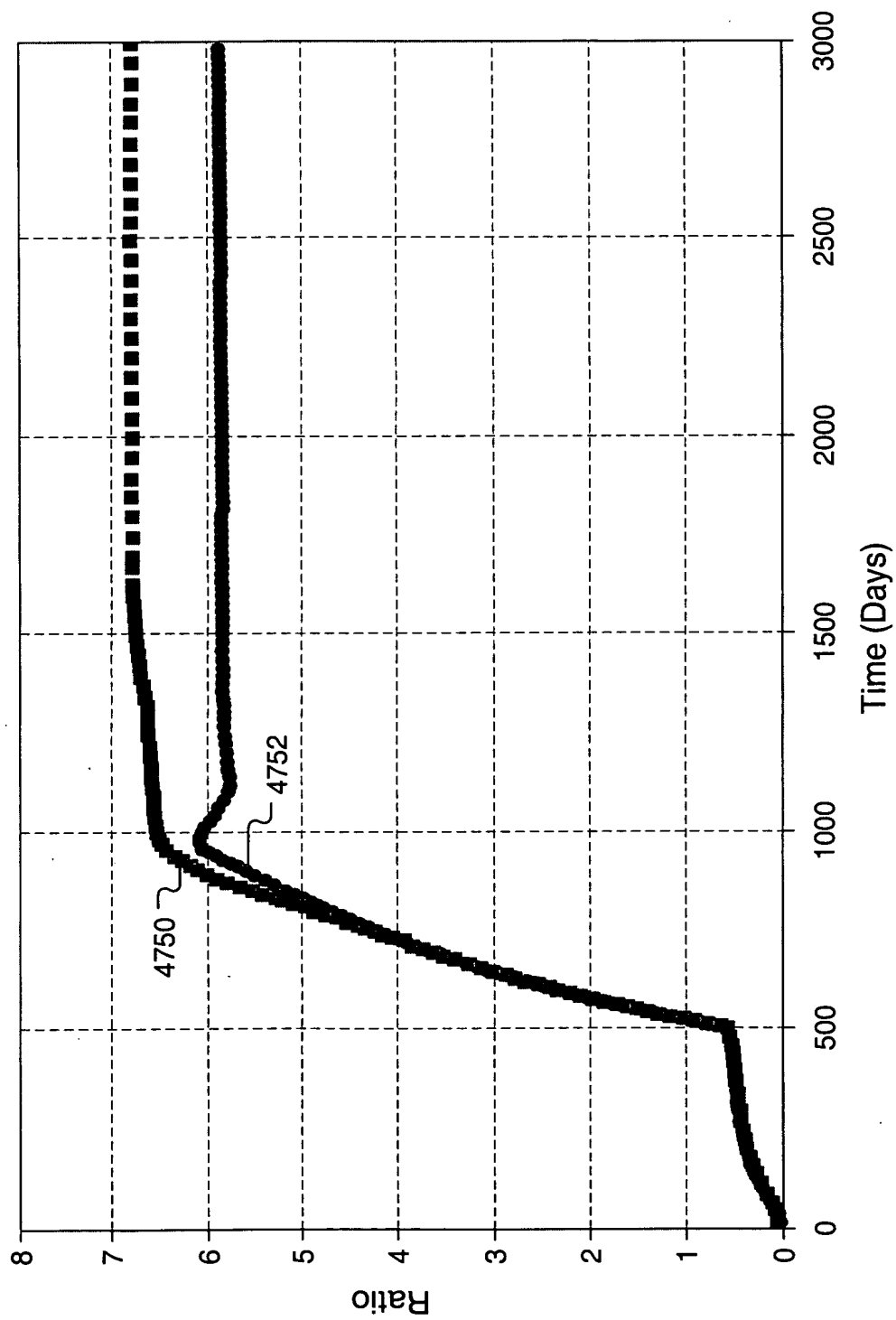


FIG. 171



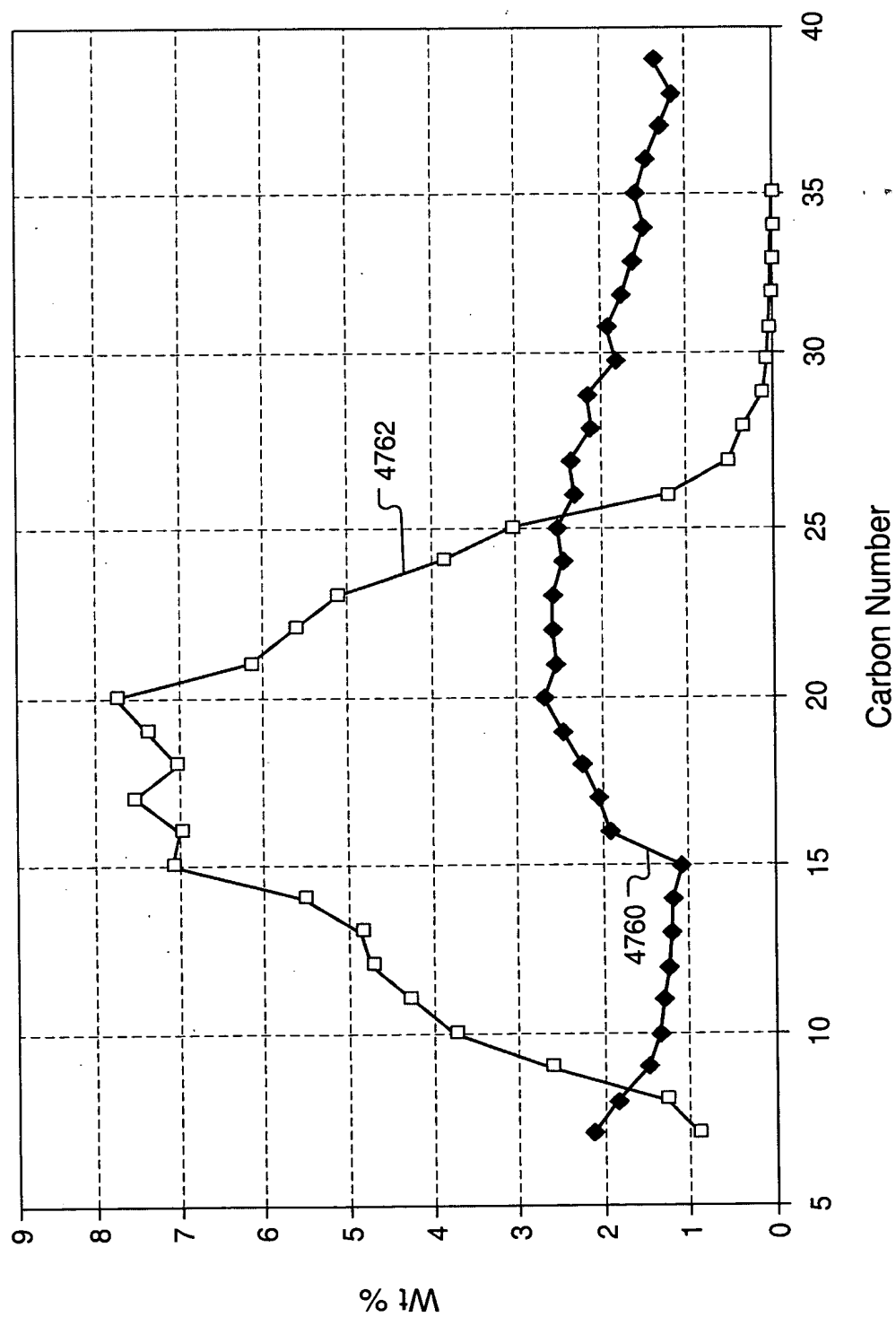


FIG. 172

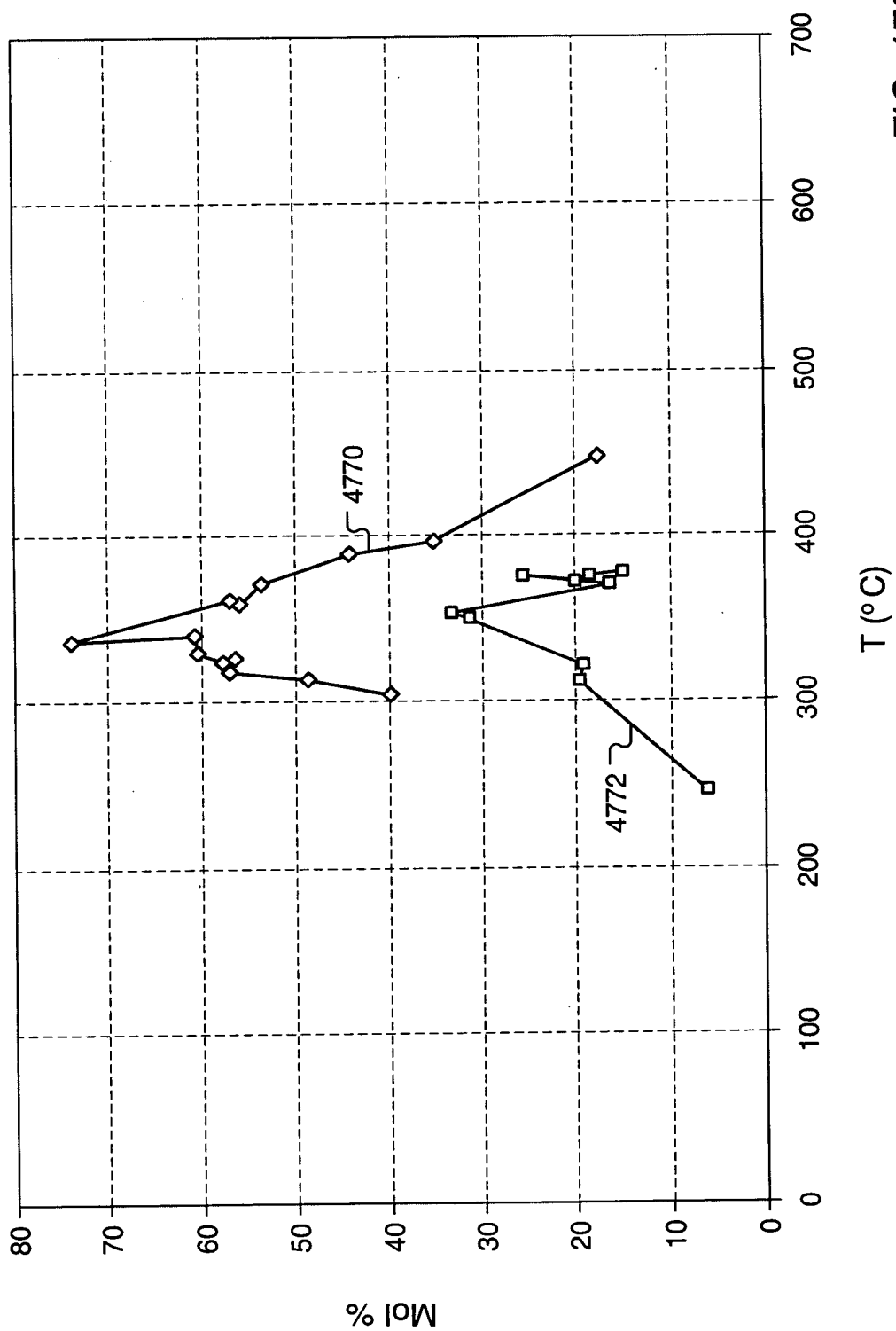


FIG. 173

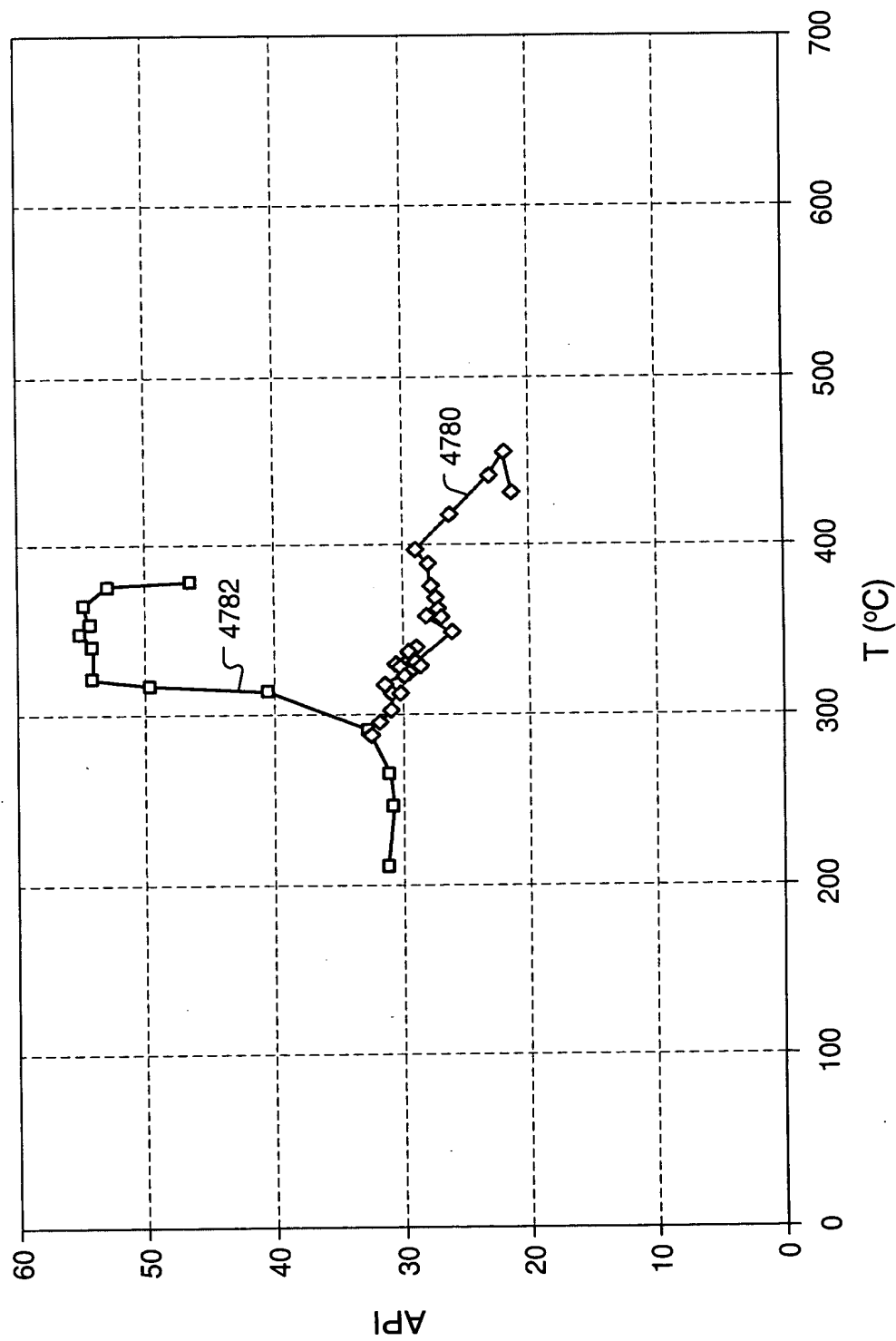
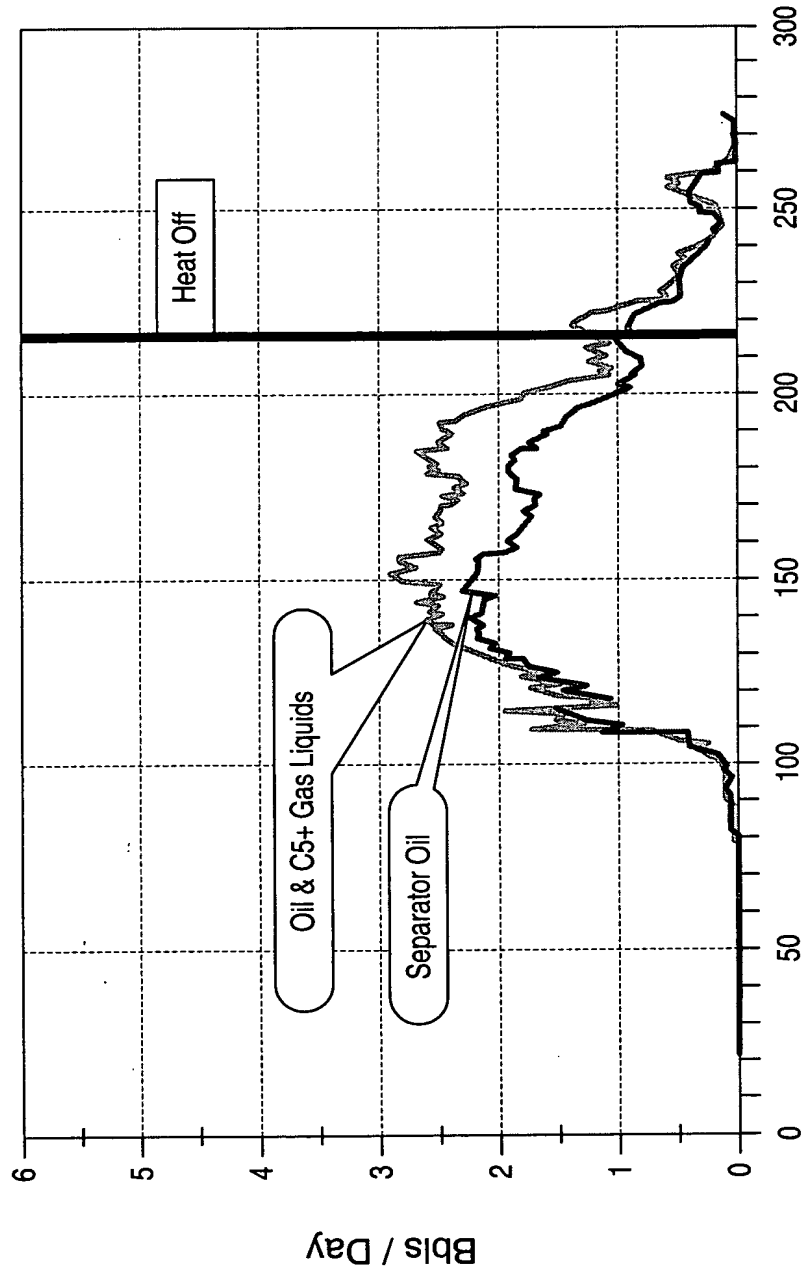


FIG. 174



Days From Start of Heat Injection

FIG. 175

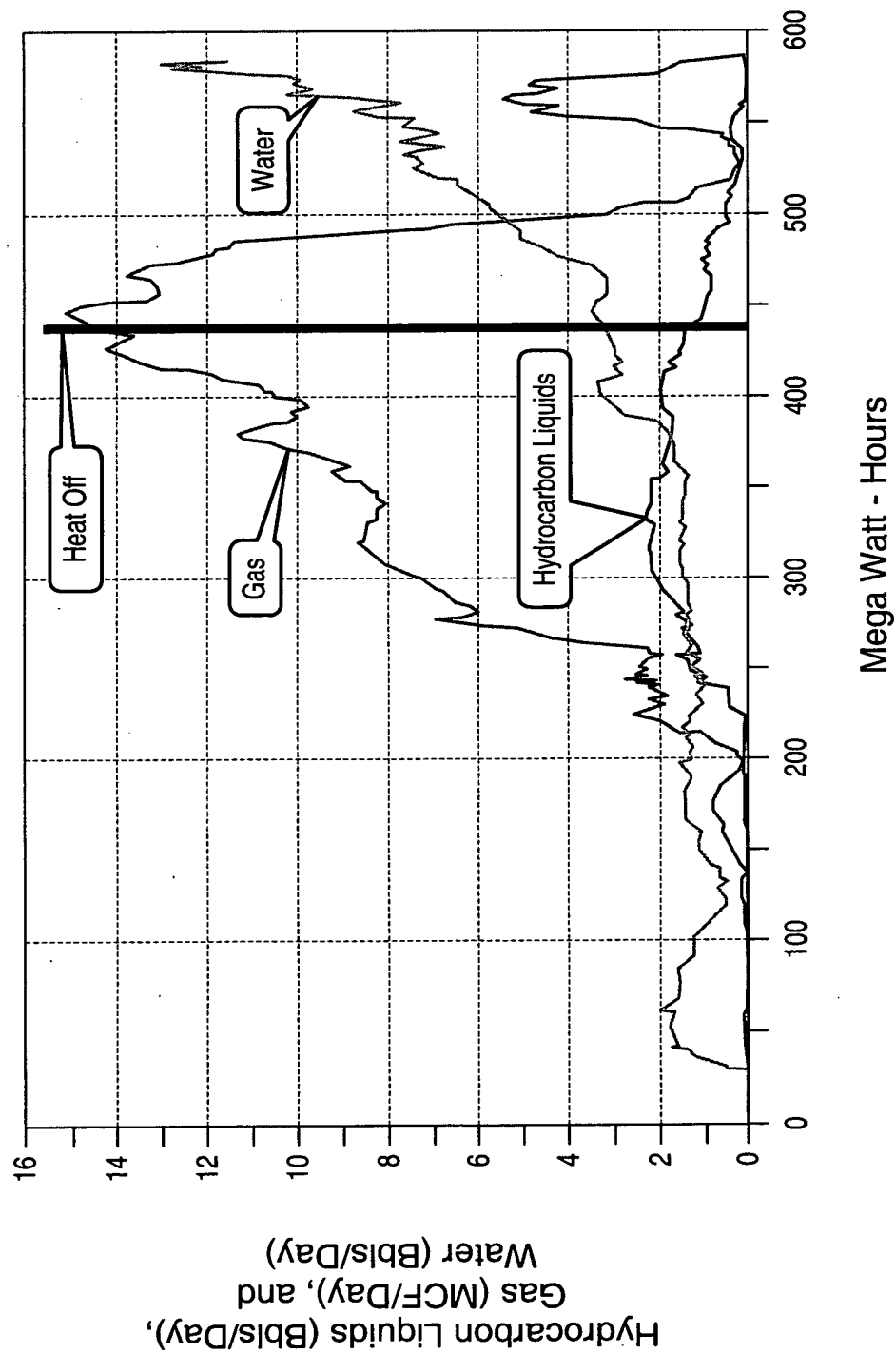


FIG. 176

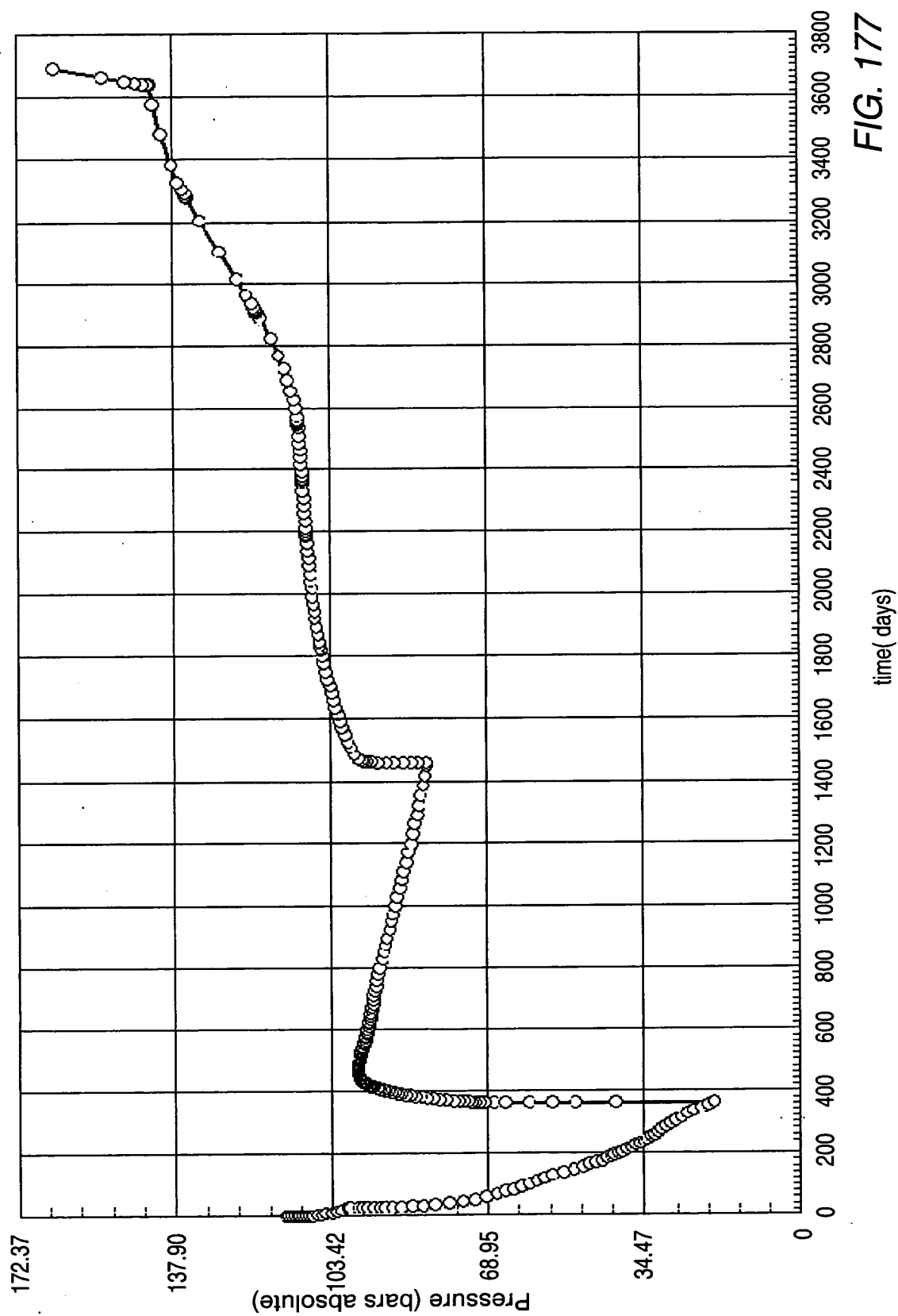


FIG. 177

**FIG. 178**

1000 900 800 700 600 500 400 300 200 100 0

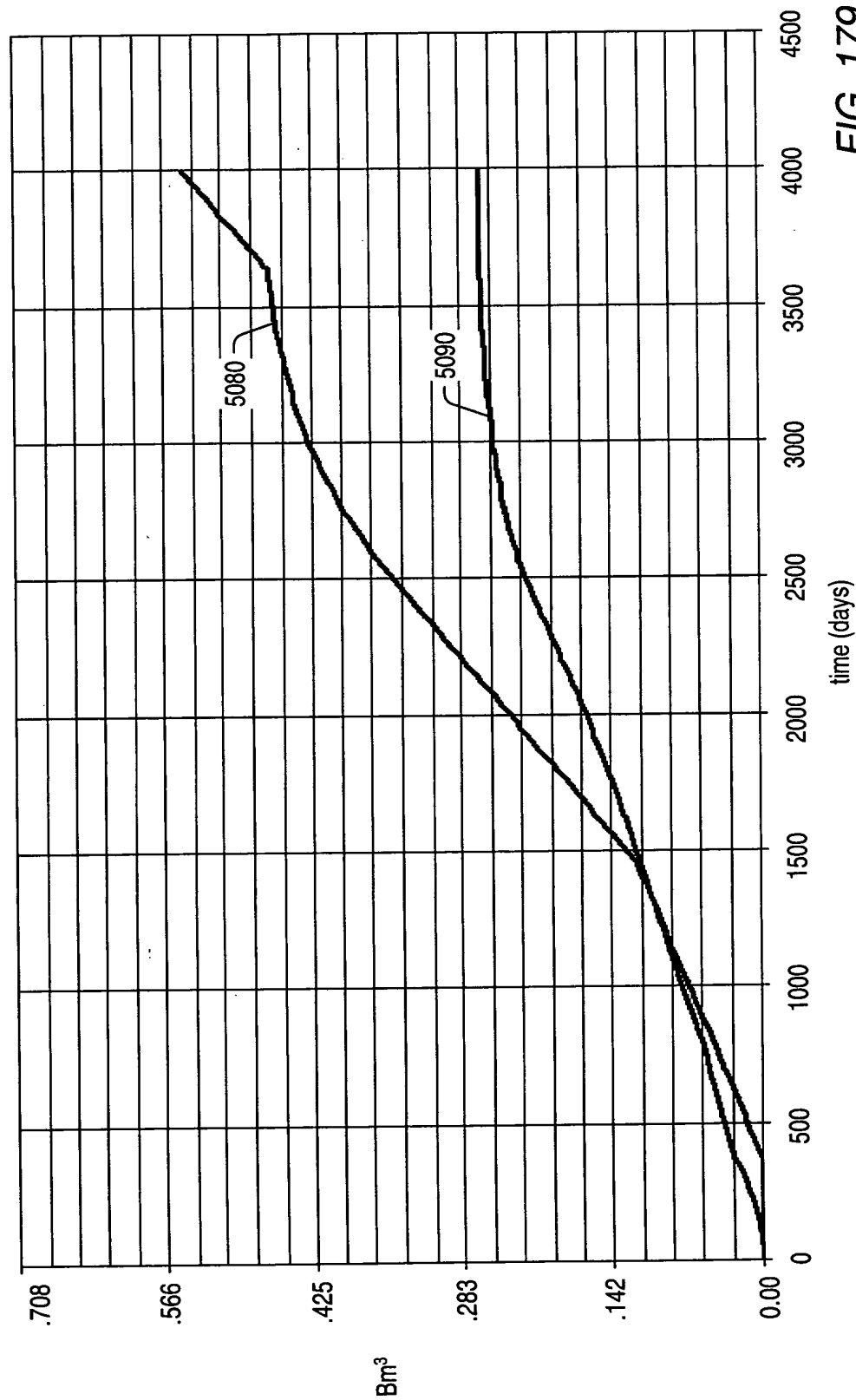


FIG. 179



Pressure (bars absolute)

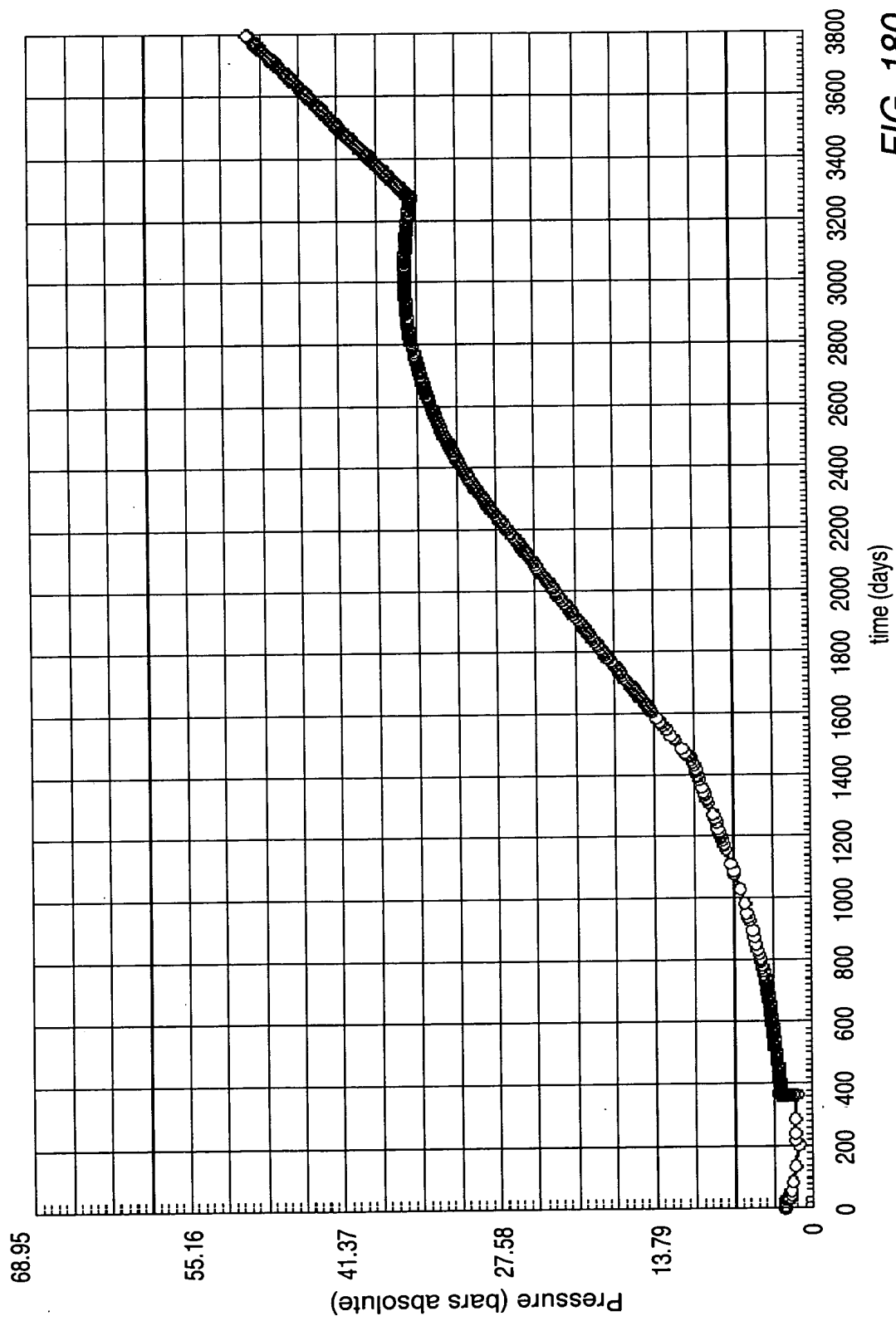


FIG. 180

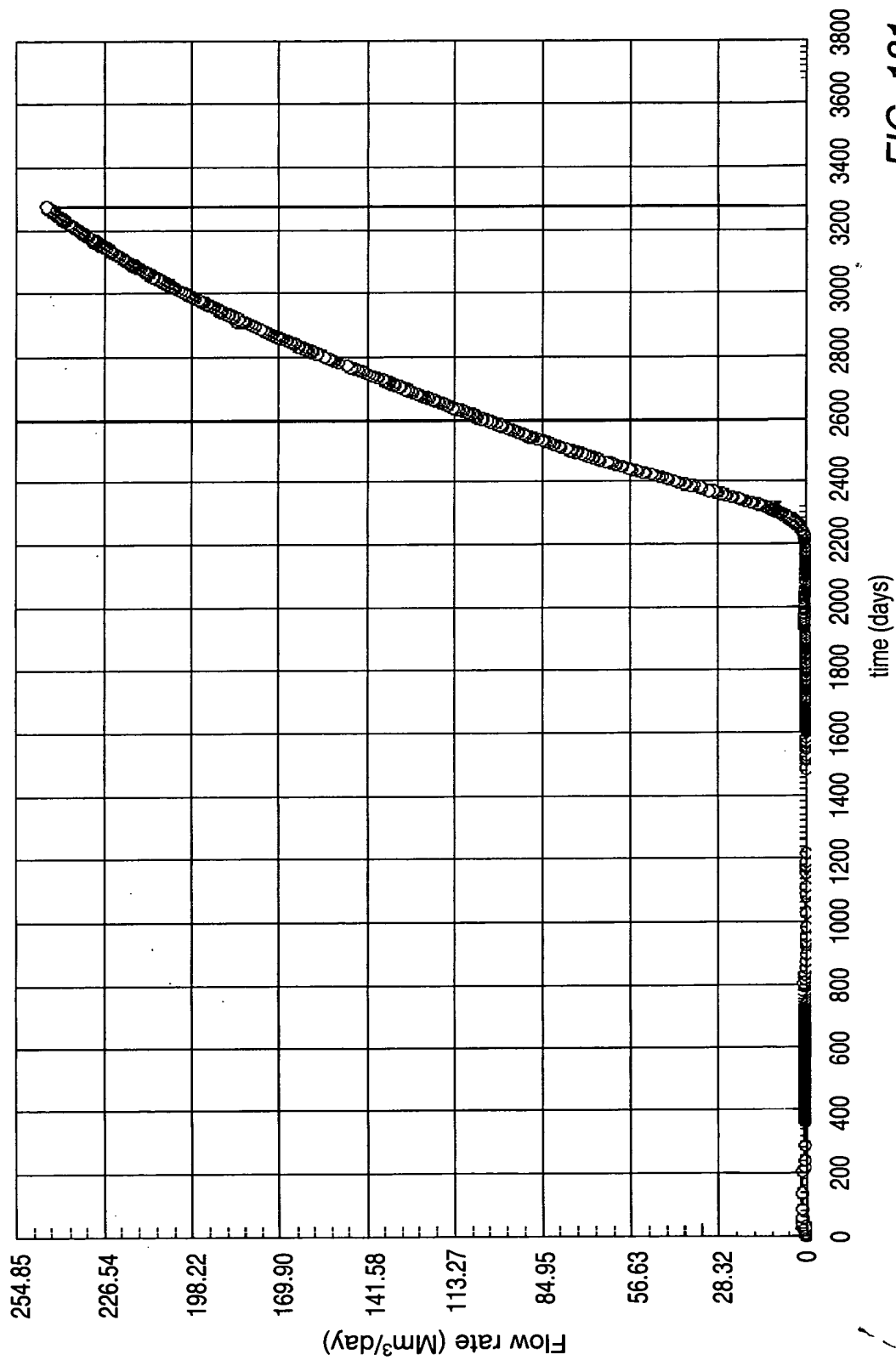


FIG. 181

034310 662160

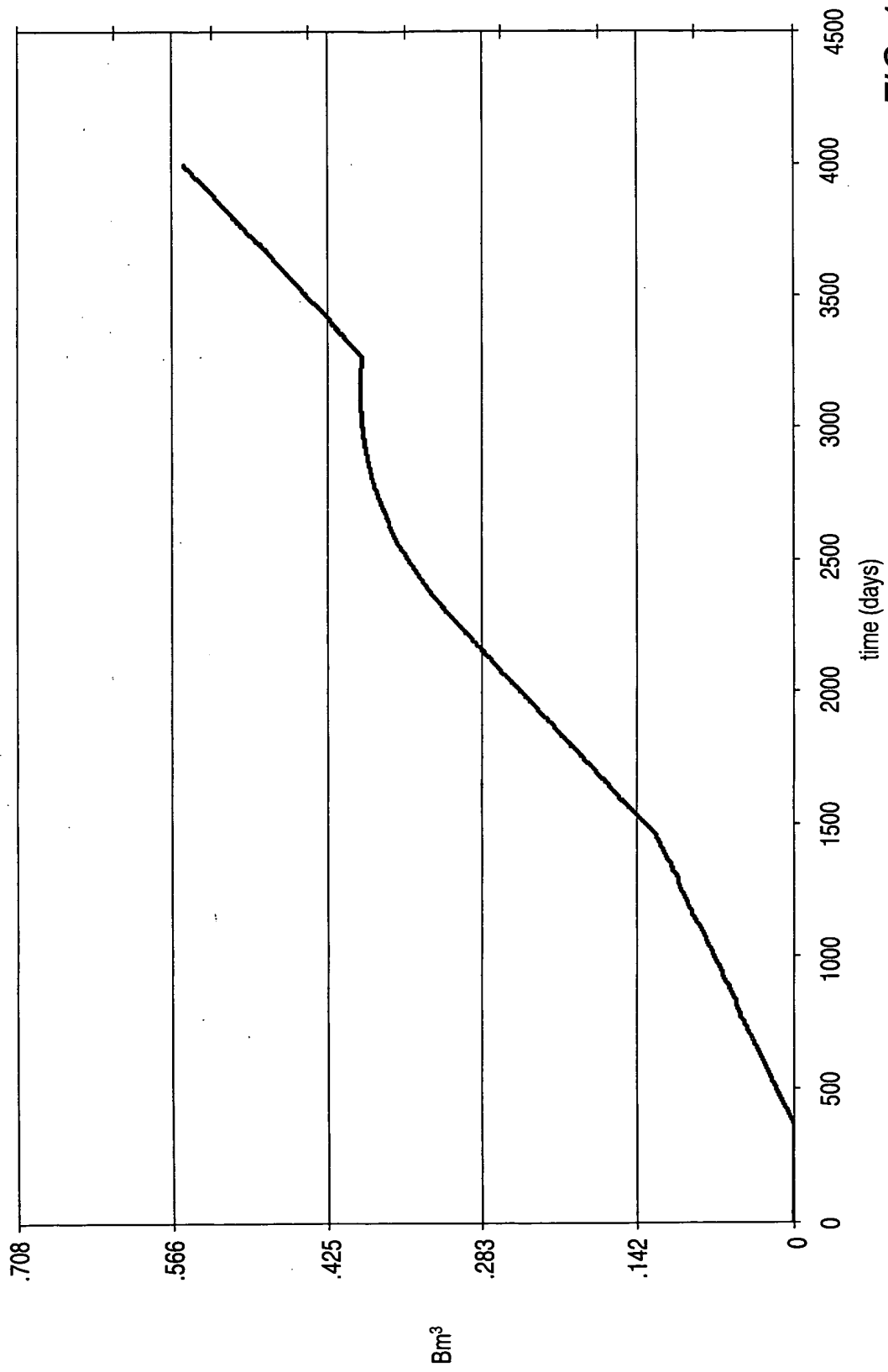


FIG. 182